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Vol. 6

Evenden, Fred G.

Species index

Gaviidae to Piciformes

Observer Fred Evenden, Jr.

Lesser Loon

1361-1361-1420-1423-1534-1567-1688-2015-2085-2182-2267-2274-2284-2402-2407-2591-2661-65-

Number of field trips on which observed:

57-70-141-193-439-441-567-651-775-884-1055-1079-1107-1110-1113-1221-1251.

Gavia immer elasson

Date	Location and observations
April 23, 1942	Corvallis ^{Oregon} -- stomach analysis on female collected in October, 1941. It was first, about 11 a.m. at 1500 ft. in various places up to 1000 ft. in length.
April 30, 1942	-- Corvallis ^{Oregon} -- stomach analysis on female. It was first, about 11 a.m. at 1500 ft. in various places up to 1000 ft. in length.
Sept. 4, '46	- Albany ^{Oregon} -- A lesser loon seen on the man-made lake at the north end of town at 11 a.m. this morning.
Mar 27, 1947	Cape Lookout ^{Oregon} -- 2 in full summer plumage. Many others noted off end of cape, and there were always several in sight flying low and singly northward (By Tom McCallister).
Apr. 25, 1950	Humboldt Bay, Calif. many seen. 15-20 in entrance channel in a compact unit, facing west into swells, about 2 p.m.
Oct. 17, 1951	Pardee Res., Amador Co. Calif. About 2 p.m. I saw this one in mid-reservoir, with a fish, flashing wings in water, dashing ahead in short darts, with fish in bill, and even rolling over with the belly up in plain view. Watched for several minutes thru 7x35 binocs.
Oct. 29, 1952	Walker Lake, Mineral Co. Nevada. 9 a.m. 4 seen from hiway. I watched one call at infrequent intervals while it was near another.

Number of field trips on high ground:
 Clinic noon 1384-1386-12, -1689-1777-1786-1791-1810-1811-1888-1891-2009-2068-2069-2072-2086-2207-2268-2306-2311-2402-2-2448-
 2661-2669-

Gavia arctica pacifica

Date	Location and observations
Feb. 28, 1942	<p>Report: ^{Oregon} the different individuals of <i>Phaethon rubricauda</i> in the bay, <i>Phaethon rubricauda</i>. It dove and came up with its head above water.</p>
Jan. 25, 1947	<p>Lint Slough, Waldport, ^{Oregon} one, probably of this species but could be red-throated in diving it does not rise out of water as do the cormorants. It just seems to slip downward as it goes forward. It spent much more time submerged than on top of the bay waters.</p>
Apr. 18, 1954	<p>Ft. Bragg-Westport, Mendocino Co. Calif. Dozens flying north in lines low to the waves.</p>

Observer Fred Evenden, Jr.

Sea-throated Loon

idea-throated loon 80-471-778(?) - 884-1004-1107-1380-1381-1383-1384-1410-1511-1811-1854-1953-2072-
2071-2206-2254-2273-2311-3343-2402-3-2592-2665-

Gavia stellata

Observer Fred Evenden, Jr.

Holboell's Grebe

Podiceps
Colymbus grisegana holboellii

Number of times trip to site observed:
70-80-218-249-567-568-775-922-987-1079-1313-1761-2319-2403-2661-68

Date	Location and observations
3-20-43	Washougal River, Wash., just above the dam. Two of them & they were very scared. They seem to be there the year around as I've seen them before.
7-27-48	Klamath Marshes, Rocky Pt. 2 nd a couple seen
9-7-48	" " " " 10 th - several by James + Dave Marshall
Feb. 26, 1949	Yaquina Bay, Oregon (IBM) a total of about 8 came within my view. They were individuals scattered about. Found one which was injured and which we picked up. Some of these birds showed a considerable amt. of the reddish plumage coming in on the neck

Observer Fred Evenden, Jr.

HORNED

GREBE

AURITUS

COLUMBIA RIV. CALIF.

2591-2-2648-65-65-

Number of field trips on which observed:

~~191-227-251-2512~~

70-102-193-251-576-722-775-778-973-1004-1039-1028a(?)-1055-

1079-1104-1107-1140-1334-1351-1360-1361-1362-1380-1381-1383-1384-1386-1450-1811-

1904-1908-2209-2254-2344-2402-3-2421-2423-2441-2487-2499-2500-2511-2583-2584-

Date

Location and observations

Oct. 4, 1943

Vashon Island, Magnolia Beach, Tacoma Washington.

6 of them in winter plumage, hung around the area at Magnolia Beach. I sat on the porch of the cabin and watched them through the glasses for over an hour. I watched one of them dive down and come up with an unidentified fish about 5" long. This was 200 feet off shore. He would hold it crosswise in his bill and shake his head vigorously from side to side. He did this with his head in the air and also with the fish immersed in the water. Then he would lay the fish in the water and jab at it with his bill. As the fish was still alive, it would try to weakly swim away from the Grebe and so the grebe would have to dive after it again. Later on, 4 of them came in about 25 feet off shore and would dive under after sculpins in the shallow water. While I watched, I saw 4 of them catch 6 sculpins in less than 20 minutes. When they had numbed or killed the captured fish, they would work it around in their bill, so that the head would go down the throat first. One of the grebes had to cough it back up one time, because the fish had too much life as it went down the throat. When swallowing the fish, the neck was worked up and down and to the side, to facilitate the downward movement of the fish. Also one grebe chased another one that had just come up with a sculpin. The black and white areas on the head were evenly divided with the black above.

Apr. 1 1947 12-mile Swamp, Corvallis, ^{1st} male in full plumage.

Feb. 26, 1949 Yaquina Bay, Oregon (IBM). I am almost sure of one being a horned, an individual which allowed us to approach within about 6 feet of him. Watched this bird swim underwater. Its leg and foot motion reminded me of a human swimming under water. Saw other small grebes scattered loosely about.

Nov. 3, 1958 Pope Beach, L. Tahoe, Calif. 1 persistently perched on sandy beach after flushing into water each time. Kodachrome.

Number of field trips on which observed:

89-192-253-307-328-339-422-423-424-457-~~458~~, 002

gricollis californicus 2419-2420-3-2448-3
CASPICUS 2591-3-2652-3-2660-65-2695

Date	Location and observations:
May 12 1944	Mtn. Home, Idaho, Reservoir - There were perhaps 30 or 40 (total) on the reservoir this a.m. None were present 5 days before.
July 27, 1948.	West side Klamath Lake, at Rocky Point: several seen - 1 heavily tinged chestnut on side of neck, and much larger. Could possibly have been a Holboell's grebe
Aug. 4, 1951	Silver Lake, Amador, Co. Calif. 7,200' elev. Either this or a horned grebe, 1 in full breeding plumage observed for over a half hour with 7X binocs at distances from 50 to 125 yards. Light was fine, and observations were made with rests, from granite rocks above the water. Lighter colored plumes on side of head had position of that shown in pics for the eared grebe, but no black crest was observed. Further, there appeared to be a rusty color on the neck. Also, the sides were a rich and quite bright chestnut or rufous filling in a considerable portion of the side view of the bird riding on the water. The bird would swim away from passing rowboats, motor boats and canoes, but was not observed to dive to escape these boats.
Oct. 21, 1951	Mono Lake, Mono Co. Calif. 100's and 100's well-scattered over the lake area visible from the hiway. Most abundant bird.

Number of field trip, on id. of birds:

70-89-118-124-182-191-193-236-303-307-339-446-542-545-572-743-
eastern urels 775-178-733-884-922-929-957-973-994-993-1001-1002-1004-1025-1027-1036-1039-1045-1055-1058-1061-
1063-1079-1088-1107-1110-1113-1117-1121-1143-1147-1152-1162-1163-1200-1217-1227-1234-1240-1243-1245-1275-1299-1301-1303-1313-1335-1357-
1360-1361-1362-1363-1367-1380-1381-1383-1384-1394-1395-1407-1410-1465-1468-1499-1507-1511-1514-1548-1551-1556-1569-
1581A-1581B-1581C-1593-1612-1615-1634-1637-1640-1674-1688-1699-1704-1723-1770-1783-1797-1810-1911-1822-1824-1841-1867-1870-1898-1903-1911-1945-
1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-2536-2537-2538-2539-2540-2541-2542-2543-2544-2545-2546-2547-2548-2549-2550-2551-2552-2553-2554-2555-2556-2557-2558-2559-2560-2561-2562-2563-2564-2565-2566-2567-2568-2569-2570-2571-2572-2573-2574-2575-2576-2577-2578-2579-2580-2581-2582-2583-2584-2585-2586-2587-2588-2589-2590-2591-2592-2593-2594-2595-2596-2597-2598-2599-2600-2601-2602-2603-2604-2605-2606-2607-2608-2609-2610-2611-2612-2613-2614-2615-2616-2617-2618-2619-2620-2621-2622-2623-2624-2625-2626-2627-2628-2629-2630-2631-2632-2633-2634-2635-2636-2637-2638-2639-2640-2641-2642-2643-2644-2645-2646-2647

6-2-43 Klamath Lake, Ore.
One adult with young. Also several pairs doing love dance.

July 27, 1948 East side, Klamath Lake. They float, elevating, it. B. A. laid down on back, toward rear. On light gray camp, sun 1/4 over, 10:00.

June 13, 1951 Lahontan Res, Churchill-Lyon Co. Nevada - several dozen seen, and one pair courting with neck twists, etc.

~~June~~
Sept. 28, 1957 Conway Ranch, Yolo By-pass, Yolo Co. Calif. 1 in deep water with mottled gray plumage, red eye and yellow bill.

Observer Fred Ivenden, Jr.

Pied-billed Grebe

Number of field trips in which observed:

48-167-188-213-236-242-253-288-339-342-411-464-520-526-

768-777-794-803-888-893-895-898-899-901a-902-922-923-941-947-957-968-975-984-988-992-994-995-997-999-1002-1004-

1011-1014-1018-1024-1031-1036-1037-1042-1028a-1055-1058-1063a-1069-1071-1076-1077-1080-1085-

1088-1090-1093-1099-1100-1101-1102-1104-1107-1117-1130-1140-1141-1143-1152-1162-1180-1185-1186-1192-

1194-1200-1246-1256-1266-1268-1278-1279-1284-1295-1296-1301-1314-1317-1318-1323-1324-1333-1340-1341-1348-1355-1361-1362-1365-1367-1374-

1373-1375-1378-1379-1380-1381-1383-1386-1387-1390-1392-1407-1419-1423-1429-1430-1434-1440-1443-1445-1448-1450-1451-1452-1457-1459-1462-1468-1474-1478-

1481-1483-1485-1490-1495-1498-1508-1509-1510-1516-1527-1530-1531-1532-1542-1550-1552-1553-1554-1555-1556-1557-1558-1559-1560-1561-1562-1563-1564-1565-1566-1567-1568-1569-1570-1571-1572-1573-1574-1575-1576-1577-1578-1579-1580-1581-1582-1583-1584-1585-1586-1587-1588-1589-1590-1591-1592-1593-1594-1595-1596-1597-1598-1599-1600-1601-1602-1603-1604-1605-1606-1607-1608-1609-1610-1611-1612-1613-1614-1615-1616-1617-1618-1619-1620-1621-1622-1623-1624-1625-1626-1627-1628-1629-1630-1631-1632-1633-1634-1635-1636-1637-1638-1639-1640-1641-1642-1643-1644-1645-1646-1647-1648-1649-1650-1651-1652-1653-1654-1655-1656-1657-1658-1659-1660-1661-1662-1663-1664-1665-1666-1667-1668-1669-1670-1671-1672-1673-1674-1675-1676-1677-1678-1679-1680-1681-1682-1683-1684-1685-1686-1687-1688-1689-1690-1691-1692-1693-1694-1695-1696-1697-1698-1699-1700-1701-1702-1703-1704-1705-1706-1707-1708-1709-1710-1711-1712-1713-1714-1715-1716-1717-1718-1719-1720-1721-1722-1723-1724-1725-1726-1727-1728-1729-1730-1731-1732-1733-1734-1735-1736-1737-1738-1739-1740-1741-1742-1743-1744-1745-1746-1747-1748-1749-1750-1751-1752-1753-1754-1755-1756-1757-1758-1759-1760-1761-1762-1763-1764-1765-1766-1767-1768-1769-1770-1771-1772-1773-1774-1775-1776-1777-1778-1779-1780-1781-1782-1783-1784-1785-1786-1787-1788-1789-1790-1791-1792-1793-1794-1795-1796-1797-1798-1799-1800-1801-1802-1803-1804-1805-1806-1807-1808-1809-1810-1811-1812-1813-1814-1815-1816-1817-1818-1819-1820-1821-1822-1823-1824-1825-1826-1827-1828-1829-1830-1831-1832-1833-1834-1835-1836-1837-1838-1839-1840-1841-1842-1843-1844-1845-1846-1847-1848-1849-1850-1851-1852-1853-1854-1855-1856-1857-1858-1859-1860-1861-1862-1863-1864-1865-1866-1867-1868-1869-1870-1871-1872-1873-1874-1875-1876-1877-1878-1879-1880-1881-1882-1883-1884-1885-1886-1887-1888-1889-1890-1891-1892-1893-1894-1895-1896-1897-1898-1899-1900-1901-1902-1903-1904-1905-1906-1907-1908-1909-1910-1911-1912-1913-1914-1915-1916-1917-1918-1919-1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-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- June 30, 1950, Camp Seco Pond, 3 mi. N of Valley Springs, Calaveras Co. ^{Calif.} noon.
Saw about 30 young birds scattered about the pond, but not a single adult (full). The young had grayish bodies, darker on top, and ~~off~~ with a blackish head, with two white stripes on each side, and a little red-brown color on the head as well as on the upper mandible.
- March 19, 1951 Cap Seco Pond, Calaveras Co. Calif. 3 pairs - watched neck-hooking courtship antics of one pair at 3 p.m.
- Oct. 3, 1951 Bass Lake, Eldorado Co. Calif. - 5 adults and 3 loudly-striped young.
- Jan. 10, 1952 - Camp Seco Pond, Calaveras Co. Calif. 4, watched nesting pair in 2' deep hole 21' at SW end of pond with 2 eggs, 1 pipening in 2nd hole.
- Dec. 26, 1954 Southside Park, Sacramento Calif. 3 p.m. Cold, windy, sunny. Watched two apparently mating. 1 persistently chasing other, grabbing from on top and behind of head, landing on, both sometimes submerging, and rear one with appearance of mounting other in deep water at surface.
- 6/2/54* *1.*
2.
3.

Black-footed Albatross

Diomedea nigripes

Oct. 16, 1955 To Farallons: 1 at 3:15 p.m. on return. 5 others appeared 1 by 1 out of thin ~~air~~ between S. and North group. Many other sea birds about them.

Fulmarus glacialis

October 16, 1955 To Farallons: 1st one seen was over half way out and was very dark form. Others seen during day were not so dark, and one or two very light. Saw as many as 4 individuals in half hour resting on water. Plumage build, and short light bill with tube beaked them. Flew like shearwaters, but with more wing-beats, and with parrot-like head.

2422.

PUFFINUS CARNEIPES

PALE-FOOTED SHEARWATER.

10/2/56 2 OFF PT. PINOS, MONTEREY CO. CALIF.

Pink-footed Shearwater

Puffinus creatopus

- October 5, 1949, Neptune State Park, coast of Lane Co. Oregon. About 1 p.m. I saw about 6 of them paralleling swell crests about $\frac{1}{4}$ -mile offshore, in company with sooty shearwaters and Pacific kittiwakes.
- May 9-12, 1954 Off Pt. Pinos, Monterey Co. Calif. Dozens in company w/ 100's Sooty's.
- October 16, 1955 To Farallons: White below, dark back and wingtips, largest birds seen. Not near islands, and seen only in a.m. to noon - just 1 of 2 groups.

Fulmarus bulleri

October 16, 1955 To Farallons: seen over half way out. White below, large, and with light back set off by black cap and very dark tail. A lot of zig-zag on "W" on top of wing-length visible at considerable distance with naked eye. Zigzag flight. 2 or 3 seen between 12 and 11 groups.

Sooty Shearwater

445- 446- 1332 - 1760 - 1903 - 1954 - 1956 - 2311 - 2387, 2388, 2389, 2413, 2643 - 2688 - 2595

Puffinus griseus (Gmelin)

- Sept. 6, 1946, Seaside, Lewis & Clark Turn-around, ^{Oregon} 7 p.m. 1000's and 1000's of them flying north, just beyond the breakers. They were going for at least 1 1/2 hours when I left. Huge "rafts" of them could be seen on the surface, too. Feeding, I suppose.
- Sept. 7, 1946, same place, 4 p.m., 1000's of them flying south just beyond the breaker line. The other evening they were heading north. A few rafts of floating birds could be seen as well.
- October 5, 1949 Neptune State Park, Lane Co. Oregon - 1/4-mile offshore, paralleling swell crests. About 25 were seen in company with pink-footed shearwaters and Pacific kittiwakes.
- July 21, 1951 Off Pacific Grove Pt., Monterey Co. Calif. Noon. 1,000's passing northeast offshore. Their density varied, but two different counts showed 120 and 125 passing a given point per minute. The time we watched was about 20 minutes.
- July 22, 1951 Monterey Peninsula & Monterey Bay, Calif. 1,000's of them passing northeast offshore, and 1,000's circling in concentration of gulls, cormorants, and shearwaters off Marine station, many on water.
- May 9-12, 1954 Off Pt. Pinos, Monterey Co. Calif. 1100-1500 offshore. On water in early morning, and busy soaring in afternoons.
- October 16, 1955 To Farallons: very common enroute. 1st seen while on seaward side in going out, and then on to near islands, but not about them. Were seen on stormier sea on return in am. but 5 or 7 in large groups. 11-12 groups

2387, 2389, ~~2672~~

Slender-billed Shearwater

Puffinus tenuirostris

October 16, 1955, To Farallons: A very few seen near the Lacties. Slender and shorter build and with dark underwings. May have pic of at least one of them. About 12 seen between N and SE groups.

1260-

MANX

Puffinus opisthomelas

Black-vented Shearwater

Fork-tailed Petrel

Oceanodroma furcata

3457-3545-

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 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2014. 2015. 2016. 2017. 2018. 2019. 2020. 2021. 2022. 2023. 2024. 2025. 2026. 2027. 2028. 2029. 2030. 2031. 2032. 2033. 2034. 2035. 2036. 2037. 2038. 2039. 2040. 2041. 2042. 2043. 2044. 2045. 2046. 2047. 2048. 2049. 2050. 2051. 2052. 2053. 2054. 2055. 2056. 2057. 2058. 2059. 2060. 2061. 2062. 2063. 2064. 2065. 2066. 2067. 2068. 2069. 2070. 2071. 2072. 2073. 2074. 2075. 2076. 2077. 2078. 2079. 2080. 2081. 2082. 2083. 2084. 2085. 2086. 2087. 2088. 2089. 2090. 2091. 2092. 2093. 2094. 2095. 2096. 2097. 2098. 2099. 2100. 2101. 2102. 2103. 2104. 2105. 2106. 2107. 2108. 2109. 2110. 2111. 2112. 2113. 2114. 2115. 2116. 2117. 2118. 2119. 2120. 2121. 2122. 2123. 2124. 2125. 2126. 2127. 2128. 2129. 2130. 2131. 2132. 2133. 2134. 2135. 2136. 2137. 2138. 2139. 2140. 2141. 2142. 2143. 2144. 2145. 2146. 2147. 2148. 2149. 2150. 2151. 2152. 2153. 2154. 2155. 2156. 2157. 2158. 2159. 2160. 2161. 2162. 2163. 2164. 2165. 2166. 2167. 2168. 2169. 2170. 2171. 2172. 2173. 2174. 2175. 2176. 2177. 2178. 2179. 2180. 2181. 2182. 2183. 2184. 2185. 2186. 2187. 2188. 2189. 2190. 2191. 2192. 2193. 2194. 2195. 2196. 2197. 2198. 2199. 2200. 2201. 2202. 2203. 2204. 2205. 2206. 2207. 2208. 2209. 2210. 2211. 2212. 2213. 2214. 2215. 2216. 2217. 2218. 2219. 2220.

Observer Fred Evenden, Jr.

Beal's Petrel

Number of field trips on which observed:

4-

Oceanodroma leucorhoa beali

| Date | Location and observations |
|--------------|--|
| May 16, 1940 | <p>Pittock Bird Sanctuary: ^{Portland, Ore.} Found it dead on the lower branches of a fir tree. It had evidently been blown in by one of the recent storms. It was the 3rd one found in Portland. It was still in the tree when Mr. Harold S. Gilbert and Willard A. Eliot found it.</p> |

Beal Petrel Found in Portland.—While touring the grounds of the Pittock Bird Sanctuary in Portland, Oregon, on May 16, 1940, Harold S. Gilbert, Willard A. Eliot, and I found the dried up body of a Beal petrel (*Oceanodroma leucorhoa beali*) lying on the lower branches of a fir tree, not far from the Sanctuary's pond.

The assumption is that it had been blown inland by a severe winter storm, because Portland is certainly a long way from its normal habitat. The specimen was turned over to Mr. Stanley G. Jewett.

Jewett and Gabrielson (*Birds of Oregon*, 1940, p. 89) mention one specimen collected near Portland in 1923.—FRED G. EVENDEN, Jr., *Oregon State College, Corvallis, Oregon.*

Murrelet
Vol 24 #2
May-June '43

2387, 2389

Black otter

Isomelania melania

White Pelican

187-229-236-266-430-543-661-681-688-710-743-869-887-898-901a-922-923-
 924-947-957-967-968-984-992-1011-1031-1036-1037-1042-1043-1088-1094-1103-1180-1182-1192-1200-1217-1227-1239-1243-
 1245-1257-1264-1275-1277-1285-1290-1291-1296-1299-1301-1303-1307-1313-1314-1318-1324-1326-1340-1345-1375-1383-1387-1395-
 1405-1468-1508-1523-1542-1544-1545-1554-1557-1580-1561a-1566a-1581a-1581b-1612-1615-1636-1637-1646-1655-1679-1683-1685-1704-1710-1714-1723-1735-
 Pelecanus erythrorhynchos 1743-1750-1766-1836-1874-1888-1918-1919-1945-1948-1950-1955-1956-1963-1978-2002-2013-2025-2049-
 2080-2096-2097-2102-2103-2110-2114-2115-2119-2120-2209-2253-2262-2300-2321-2322-2346-2352-2356-2363-2377-2505-2527-2652-2702

Date

Location and observations

5-7-43

Klamath Lake, Ore. - 8³⁰ p.m.

Saw many white pelicans flying around the lake. One over-
 took the train & passed us while we were standing. It was
 doing over 50 at the time.

Dec. 3, 1943

Wallula, Wash., along Columbia River. I saw two of them flying downstream.

August 14, 1946

Fern Ridge Lam, Lane Co. ^{Or.} Bill Graf saw White Pelicans on this date!

June 25, 1947

Fern Ridge Lam, Lane Co. ^{Or.} - there were between 25 and 30 of them scattered
 over the south end of the reservoir. At a distance, one bird appeared
 to be on a nest (not guaranteed).

July 24, 1947

Fern Ridge Lam, ^{Or.} I saw them floating on the water, one perched on a small
 island, and one group of 7 took to flight at the same time.

August 8, 1947

Fern Ridge Lam: ^{Or.} about 30 seen, scattered well over the S. end.

Sept. 20, 1947

Fern Ridge: ^{Or.} a lot below the lake. One was observed to be on
 a nest (possibly within) about 15" above the water. It was sitting in
 the water, plastic bag. It was very close. It was observed about 5
 birds, one on a nest, one on a nest, one on a nest, one on a nest, one on a nest.

June 11, 1948

Fern Ridge: ^{Or.} a lot below the lake. One was observed to be on
 a nest (possibly within) about 15" above the water. It was sitting in
 the water, plastic bag. It was very close. It was observed about 5
 birds, one on a nest, one on a nest, one on a nest, one on a nest, one on a nest.

Sept. 8, 1948:

Sacramento Refuge: ^{Calif.} at least 200 seen on the area. Most in small,
 scattered groups, but one compact flock of 60-75 birds, $\frac{1}{2}$ adults. The
 immatures were more alert than the adults, and had more pinkish bills,
 and fuzz-downy heads. No horns seen.

Sept. 29, 1948

From 10 mi. SW of Merced to Merced, Merced Co: 150 & seen. We saw
 about 40 of them perched on the ground with Amer. Egrets, but these
 took off and joined a larger flight that passed over.

April 4, 1949 - Sacto. Signal Depot - ^{Calif.} 8³⁰ a.m. a flight of 42 going N, rather low - 2-300 feet up.

Also 3 seen at 9:30 over Yolo By-Pass, Yolo Co., heading N.

May 5, 1949

Gray Lodge Refuge, S. Butte Co. ^{Calif.} at least 50 seen. Up to 30 in the air at one
 time. All were in full adult plumage, and about 25 possessed the breeding
 "horn" on the upper bill. John Cowan, Mgr., was surprised when I suggested they
 might be nesting at the refuge. They were present all last summer, but he thought
 they were immatures. He will keep his eye open this year.

June 3, 1949

Sprague River, along U.S. 395, Klamath Co. ^{Ore.} 630 p.m. 3 floating in river
 and perched on rocks in the stream. Also 5 seen in river near Chiloquin Jct.

July 20, 1949

Napa R. and San Pablo Bay marshes: ^{Calif.} 30-350 seen in marsh, and in the
 river and in the bay this a.m.

Dec. 6, 1949

Salinas R., ^{Calif.} near mouth - 245 p.m. Observed 4 white pelicans
 on the river, and about 20 of ~~them~~ just 100 yards away. This is the
 1st time I've seen them at the brown pelicans
 the same place at the same time.

June 26, 1950

Anaho Island, Pyramid L., Nevada ^{Id.} at all stages of reproduction. 6 pods
 found, and a 7th having been so far along that no birds were present. One pod
 was seen on top of the island after we left the island and were out in the
 boat. Giles estimated 2500 young were present. This does not include the
 pod at the top of the island. Fish caught up by the young birds were carp,
 Lahontan chubs and cui-ui. Possibly 75% were carp. Trelease counted 281
 carp average two inches long from one young pelican. One brown bullhead
 was also found.

White Pelican

Page 2.

July 21, 1951 Pt. Lobos State Park, Monterey Co. Calif. 2 white young with grayish head and black primaries. On Bird Rock.

July 22, 1951 Monterey Peninsula, near Bird Rock ^{Calif.} 5 flew north overhead.

May 1, 1952, Sutter Refuge, Calif. 25 seen, some with breeding "horns".

Feb. 3, 1953 Morro Bay, S. Luis Obispo Co. Calif. 20 seen on Morro Point, and 60 in other at sandy edge on west side of bay.

May 30, 1953 Pope Beach, SE corner Lake Tahoe, El Dorado Co. Calif. 20 seen.

June 27, 1954 Echo Lake, Eldorado Co. Calif. 7 over E end of lake.

June 27, 1954 Pope Beach, Lake Tahoe, Calif. 3 seen.

April 23, 1958 25 or so in Yolo Bypass SW of Woodland Rd, Yolo Co. Calif. - 10 am.

Feb. 25, 1959, U.S. 50, near Strawberry, Eldorado Co. Calif. 2 circling high over Sierras and gliding west, to north of U.S. 50.

8/10/71 Richford Wash, Kansas - w/ horns on bill

Olivaceous Cormorant
Phalacrocorax olivaceous
mexicanus

Feb. 22, 1951, Laguna Madre, Port Isabel, Texas - several seen.

Observer Fred Vanden, Jr.

Brandt's Cormorant

2068-2204-2254-2267-2311-2344-2377-1-9-2511-2680-61-65

Number of birds tagged: 1101
776 - 778-1004-1079-1107-1110-1112-1509-1631-1689-1761-1901-1954-1955-1956-

Phalacrocorax urticillatus

| Date | Location and observations |
|--------------|---|
| Feb. 3, 1953 | Morro Rock, Morro Bay, Calif. roosts on ledges and wind "blow-holes" high on west face of Morro Rock. Seen only on ocean side of rock and out on ocean. |
| May 11, 1954 | Pt. Lobos, Monterey Co. Calif. On nests on Pt. Lobos. Others carrying seaweed to nest sites. |

Blattler - 1841-1854-

SCORVEN, LEO, VANDER, C.

Treganza's heron

Number of birds banded in 1944:

268-275-288-291-320-327-333-337-425-431-542-543-

1309-1405-1561a-1566a-1581a-1581b-1581c-1612-1615-1637-1646-1743-1751-1838-1839-1840-1841-1948-2000-2002-2005-2019-

Ardea herodias treganzii

Location and observations

3-20-47 Colo. R. Indian Res. south of Parker, Ariz: 2 with nests in tall cottonwoods
Used the same nest sites last year.

STILLWATER WILDLIFE MGT AREA, CHURCHILL CO., NEVADA

April 27, 1950 9:30am to 12:30pm With LeRoy Giles
Heron Rookery and Vicinity ~~AK~~ near Tule Lake

Pied-billed Grebe - heard one several times

White Pelican - Noticed about 200 circling over cutgrass area

Double-crested Cormorant - Noticed a couple flying about over the rookery. Possibly some were nesting in it.

Blue Heron - 24 nests were investigated. All were in hardstem bulrush and were constructed of this species and Suaeda sp. Young were not ~~yet~~ ~~XXXX~~ as far along as the night herons. Many were only several days old. Data on the 24 nests are as follows:

- 2 eggs, two nests
- ~~3~~ 3 eggs and ~~2~~ young, 1 nest
- 4 eggs and 2 young, 1 nest
- 4 eggs and 1 young, 1 nest
- 1 egg and 4 young, 1 nest
- 4 eggs, 9 nests
- 4 young, 1 nest
- 5 young, 2 nests
- 5 eggs, 6 nests.

American Egret - at least 3 were present around the rookery, but we didn't run onto any of their nests.

Snowy Egret - 10 nests found. Data as follows:

- 1 egg, 2 nests
- 2 eggs, 1 nest
- 3 eggs, 4 nests
- 4 eggs, 3 nests.

It is apparent that the egrets ~~XXXX~~ were last of the herons to start nesting. In several of the blue herons nests we found small eggs which might have been out there by this species.

Black-crowned Night Heron - Found 50 nests. Some of the young had already left the nests and were flapping about. Others could already fly. Data on nests as follows:

- 1 egg, 2 nests
- 2 young, 2 nests
- 2 eggs and 2 young, 1 nest
- 2 eggs, 1 nest
- 3 young, 7 nests
- 3 eggs, 5 nests
- 4 eggs, 10 nests
- 5 young, 5 nests
- 5 eggs and 2 young, 1 nest
- 5 eggs, 7 nests
- 4 young, 5 nests
- 6 eggs, 1 nest
- 6 young, 1 nest
- 1 egg and 1 young, 1 nest
- 4 young and 1 egg, 1 nest.

Continued on back

White-faced Glossy Ibis - we noticed several hanging around the rookery and wondered if they the ibis won't nest here too.

Mallard - pair

Cinnamon Teal - saw 8 pairs, 2 pairs were courting together and then separated.

Pintail - pair

Gadwall - pair

Shoveller - pair

Turkey Vulture

Marsh Hawks

Billdeer

Gilson Phalarope - saw 20 circling on Northwest Pond as we drove out.

Tree Swallows - over northwest Pond

Barn swallows - over Northwest pond. First seen this spring on area.

Marsh Wrens

Savannah Sparrows

Song Sparrows

More Data on the rookery

The rookery was sighted from the airplane when we went up on April 25 to census the area. It is approximately 1500 feet long and 500 feet wide, which is the extent of the hardstem bulrush stand which it is entirely in. We walked a strip through the middle of it and took data on the nests visible. We estimate that 500 nests are present, about 250 of which are night heron, 150 blue herons and 100 snowy egrets. The colony appears to be a new one considering the size of the nests and the fact that all were occupied or showed evidence of being occupied this year. The snowy egret nests and night herons nests were composed entirely of hardstem bulrush, while the blue herons nests also contain sea-lite (Suaeda sp.). The estimates above are preliminary, subject to change.

Lee *to the Survey*

SURVEY OF HERON COLONY

April 29, 1960 12:00 noon to 4:00pm

Data below is on 866 nests found in the heron colony at the north end of the management area through a search of the area by Jerry L. Giles, Fred Wright and Eric B. Marshall.

The colony is about 1300 feet long and has a maximum width of about 500 feet. It is situated in a stand of *Sagittaria arifolia* which is surrounded by a rim of *Typha*. Some small pools and a channel are present in the *Sagittaria*. Most of the nests were concentrated along these water areas.

Black-crowned night heron, great egret, and snowy egret, and a white-faced ibis, were the only birds seen in the colony. Of all these birds, only the black-crowned night heron was probably secured in the identification of the nests. Only one ibis nest was positively identified. Since ibis have just begun to come into the valley for the summer and the bulk of the birds have not yet arrived, there is a possibility of more ibis nesting in the colony. The colony appears to be a new one. No old nests were found and all except the blue heron nests appear to have been built entirely this year. The blue heron nests contained considerable material so there is a possibility of there being used last year.

Black-crowned Night Heron

Night heron nests were constructed entirely of *Sagittaria arifolia*. Young were already off some of the nests, as flapper night herons were everywhere present as well as some young which could fly. This accounts for the large number of night heron nests which were abandoned. Night heron ^{eggs} were halfway in size between the blue heron and snowy egret.

Total Nests found 423
Total occupied nests 346
Total abandoned nests 78

The following combinations of eggs and young were found along with the number of ~~each~~ nests with each.

| | | | |
|-------------|----|--------------------|----|
| Empty Nests | 78 | 1 egg and 1 young | 6 |
| 1 egg | 15 | 1 egg and 2 young | 9 |
| 2 eggs | 13 | 2 eggs and 1 young | 1 |
| 3 eggs | 31 | 2 eggs and 2 young | 2 |
| 4 eggs | 96 | 1 egg and 2 young | 11 |
| 5 eggs | 36 | 2 eggs and 1 young | 9 |
| 6 eggs | 1 | 1 young and 2 eggs | 16 |
| 1 young | 4 | 3 eggs and 2 young | 4 |
| 2 young | 14 | 2 eggs and 3 young | 2 |
| 3 young | 11 | 1 egg and 4 young | 2 |
| 4 young | 17 | 4 eggs and 1 young | 2 |
| 5 young | 1 | | |
| 6 young | 1 | | |
| 7 young | 1 | | |

In addition to the above 1 snowy egret egg was found in each of 2 night heron nests.

[illegible]

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1204

[illegible][illegible]

1. NAME _____

STILLWATER WILDLIFE MANAGEMENT AREA, CHURCHILL CO., NEV.

SURVEY OF HERON COLONY (Continued)

April 29, 1950

Black-crowned Night Heron (Continued)

Clutch figured on basis of eggs and/or young combined:

| | |
|----------------|--|
| 1 egg or young | 19 nests = 19 total |
| 2 | 33 66 |
| 3 | 70 210 |
| 4 | 167 668 |
| 5 | 53 265 |
| 6 | 2 12 |
| 7 | 1 7 |
| | <u>195</u> <u>1247</u> total eggs and young seen |

Average per clutch on basis of these figures 3.614.

It should be pointed out that these figures are not entirely valid for basing average per clutch, since some birds had not completed laying and some young had fallen out of the nest before the nest.

Clutch figured on basis of nests which contained all young or some young. This eliminates ~~the following~~ figuring in the nests which did not have ~~any~~ clutches completed.

| | |
|------------------------------|--|
| 1 egg and young | 4 nests = 4 total |
| 2 young or 2 egg and 1 young | 16 nests 117 |
| 3 | 39 284 |
| 4 | 71 285 |
| 5 | 17 6 |
| 6 | 1 7 |
| 7 | 1 |
| | <u>148</u> <u>535</u> total eggs and young |

Average per clutch on basis of these figures 3.591

Snowy Egret

Snowy egret nests were of the same construction as the night heron nests, but averaged smaller in diameter. Eggs were somewhat smaller than those of the night heron. Snowy egret nesting was not as far along as the night herons or blue herons. Only one young snowy egret was found hatched. The nests found under construction ~~which~~ were believed to be snowy egret nests.

Total nests found 63
Total nests with eggs 61
Total nests under construction 2

The following combinations of eggs and young were found along with the number of nests with each.

[illegible]

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

[illegible]

4-11-64 MEMPHIS, TENN. 38002
MEMPHIS, TENN. 38002
4-11-64

1. The first of these is the fact that the
2. Government has not been able to secure
3. the necessary funds to carry out its
4. policy of non-interference in the
5. internal affairs of the country.
6. The second is the fact that the
7. Government has not been able to secure
8. the necessary funds to carry out its
9. policy of non-interference in the
10. internal affairs of the country.

| Case | Age | Sex | Duration of disease | Site of lesion | Pathological changes | Microscopic picture |
|------|-----|--------|---------------------|----------------|-----------------------------|---------------------|
| 1 | 25 | Male | 10 years | Right eye | Choroid, iris, ciliary body | Fig. 1 |
| 2 | 35 | Female | 5 years | Left eye | Choroid, iris, ciliary body | Fig. 2 |
| 3 | 45 | Male | 15 years | Right eye | Choroid, iris, ciliary body | Fig. 3 |
| 4 | 55 | Female | 20 years | Left eye | Choroid, iris, ciliary body | Fig. 4 |
| 5 | 65 | Male | 25 years | Right eye | Choroid, iris, ciliary body | Fig. 5 |
| 6 | 75 | Female | 30 years | Left eye | Choroid, iris, ciliary body | Fig. 6 |

1. The following information is being provided to you for your information only. It is not intended to be used for any other purpose.

SURVEY OF HERON COLONY (Continued)

April 29, 1950

Snowy Egret continued

| | |
|----------------|----|
| Empty nests | 2 |
| 1 egg | 2 |
| 2 eggs | 10 |
| 3 eggs | 24 |
| 4 eggs | 22 |
| 5 eggs | 2 |
| 2 eggs & 1 egg | 1 |

73

Clutch figured on basis of no. of eggs contained all young and/or eggs. This figure not entirely valid since some birds had not completed laying.

| | | | | |
|--------|---------|---|-----|----------------------|
| 1 egg | 2 nests | = | 2 | Total |
| 2 eggs | 10 | | 20 | |
| 3 eggs | 24 | | 72 | |
| 4 eggs | 22 | | 88 | |
| 5 eggs | 2 | | 10 | |
| | | | 196 | Total eggs and young |

Average per clutch on basis of these figures 3.197.

Blue Heron

Blue Heron nests were large and bulky and were composed of considerable wet material than the white heron nests. American Avocet balrush, these nests were constructed of Albizia leaves and Suaeda sp. Blue Heron eggs are noticeably larger than the white heron eggs.

| | | |
|-------------------|---|----|
| Total nests found | - | 73 |
| Total occupied | | 71 |
| Total Empty | | 2 |

The following combinations of eggs and young were found. Number of nests with each combination also shown.

| | | | |
|------------------|----|--------------------|---|
| Empty nests | 2 | 2 eggs & 1 young | 1 |
| 1 egg | 2 | 2 eggs and 2 young | 1 |
| 2 eggs | 10 | 1 egg and 2 young | 1 |
| 3 eggs | 24 | 3 eggs and 1 young | 4 |
| 4 eggs | 22 | 2 eggs and 3 young | 1 |
| 5 eggs | 2 | 1 egg and 4 young | 1 |
| 2 eggs & 1 young | 1 | 2 eggs and 2 young | 1 |
| 3 young | 3 | | |
| 4 young | 5 | | |
| 5 young | 7 | | |

SURVEY OF WETLAND COLONY (Continued)

April 29, 1950

Blue Heron Continued

Clutch figured on basis of eggs and/or young combined:

| | | |
|----------------|-------------|------------|
| 1 egg or young | 1 nests = 1 | Total |
| 2 | 5 | 5 |
| 3 | 9 | 27 |
| 4 | 29 | 116 |
| 5 | 1 | 140 |
| 6 | 1 | 1 |
| | <u>71</u> | <u>179</u> |

Average per clutch on basis of these figures 4.135

Clutch figured on basis of of nests which contained all young or some young.

| | | |
|-------------------|--------------|------------|
| 3 eggs &/or Young | 7 Nests = 21 | Total |
| 4 | 10 | 40 |
| 5 | 10 | 50 |
| 6 | 1 | 6 |
| | <u>18</u> | <u>117</u> |

Average per clutch on basis of these figures 4.173

American Egret

American egret nests were found in the same place as blue heron nests but contained little or no desert vegetation. Eggs seemed identical to those of the blue heron. Only three American egret nests were found. They contained 3 eggs, 4 eggs and 7 eggs respectively. The low number of American egret nests is not surprising, as this bird is seldom seen on the area.

White-faced Glossy Ibis

Fred spotted one of the few ibis present around the rockery on a nest with four eggs. The nest was well hidden at the edge of the blue heron, but eggs seemed a little darker.

Miscellaneous Data

Some nests were missed in the count, as night heron and snowy egret nests were especially well hidden. Several corners of the rockery were not reached. Thus the following estimates.

| | <u>Nests found</u> | <u>estimated found</u> | <u>Total estimate</u> |
|-------------|--------------------|------------------------|-----------------------|
| Night Heron | 423 | 70% | 600 |
| S. Egret | 63 | 70% | 90 |
| Blue Heron | 73 | 95% | 80 |
| Amer. Egret | 3 | 100 | 3 |
| Ibis | 1 | ? | ? |

5-
THE LIFE OF THE HERON COLONY, CHURCHILL CO., N.Y.

SURVEY OF HERON COLONY (Continued)

April 28, 1960

Observations continued

Carp were found around several of the nests. One flap or night heron was found dead. It had a 7 inch carp protruding from its bill. Average of the rocky is about 17 acres. All but 6 night heron nests were in *Sagittaria*. The six were in cattail on the border of the stand of *Sagittaria*.

The colony is isolated from the mainland. It is reached via an island adjoining island.

California . . . eron

897-898-899-900-~~901~~-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-1226-1227-1228-1229-1230-1231-1232-1233-1234-1235-1236-1237-1238-1239-1240-1241-1242-1243-1244-1245-1246-1247-1248-1249-1250-1251-1252-1253-1254-1255-1256-1257-1258-1259-1260-1261-1262-1263-1264-1265-1266-1267-1268-1269-1270-1271-1272-1273-1274-1275-1276-1277-1278-1279-1280-1281-1282-1283-1284-1285-1286-1287-1288-1289-1290-1291-1292-1293-1294-1295-1296-1297-1298-1299-1300-1301-1302-1303-1304-1305-1306-1307-1308-1309-1310-1311-1312-1313-1314-1315-1316-1317-1318-1319-1320-1321-1322-1323-1324-1325-1326-1327-1328-1329-1330-1331-1332-1333-1334-1335-1336-1337-1338-1339-1340-1341-1342-1343-1344-1345-1346-1347-1348-1349-1350-1351-1352-1353-1354-1355-1356-1357-1358-1359-1360-1361-1362-1363-1364-1365-1366-1367-1368-1369-1370-1371-1372-1373-1374-1375-1376-1377-1378-1379-1380-1381-1382-1383-1384-1385-1386-1387-1388-1389-1390-1391-1392-1393-1394-1395-1396-1397-1398-1399-1400-1401-1402-1403-1404-1405-1406-1407-1408-1409-1410-1411-1412-1413-1414-1415-1416-1417-1418-1419-1420-1421-1422-1423-1424-1425-1426-1427-1428-1429-1430-1431-1432-1433-1434-1435-1436-1437-1438-1439-1440-1441-1442-1443-1444-1445-1446-1447-1448-1449-1450-1451-1452-1453-1454-1455-1456-1457-1458-1459-1460-1461-1462-1463-1464-1465-1466-1467-1468-1469-1470-1471-1472-1473-1474-1475-1476-1477-1478-1479-1480-1481-1482-1483-1484-1485-1486-1487-1488-1489-1490-1491-1492-1493-1494-1495-1496-1497-1498-1499-1500-1501-1502-1503-1504-1505-1506-1507-1508-1509-1510-1511-1512-1513-1514-1515-1516-1517-1518-1519-1520-1521-1522-1523-1524-1525-1526-1527-1528-1529-1530-1531-1532-1533-1534-1535-1536-1537-1538-1539-1540-1541-1542-1543-1544-1545-1546-1547-1548-1549-1550-1551-1552-1553-1554-1555-1556-1557-1558-1559-1560-1561-1562-1563-1564-1565-1566-1567-1568-1569-1570-1571-1572-1573-1574-1575-1576-1577-1578-1579-1580-1581-1582-1583-1584-1585-1586-1587-1588-1589-1590-1591-1592-1593-1594-1595-1596-1597-1598-1599-1600-1601-1602-1603-1604-1605-1606-1607-1608-1609-1610-1611-1612-1613-1614-1615-1616-1617-1618-1619-1620-1621-1622-1623-1624-1625-1626-1627-1628-1629-1630-1631-1632-1633-1634-1635-1636-1637-1638-1639-1640-1641-1642-1643-1644-1645-1646-1647-1648-1649-1650-1651-1652-1653-1654-1655-1656-1657-1658-1659-1660-1661-1662-1663-1664-1665-1666-1667-1668-1669-1670-1671-1672-1673-1674-1675-1676-1677-1678-1679-1680-1681-1682-1683-1684-1685-1686-1687-1688-1689-1690-1691-1692-1693-1694-1695-1696-1697-1698-1699-1700-1701-1702-1703-1704-1705-1706-1707-1708-1709-1710-1711-1712-1713-1714-1715-1716-1717-1718-1719-1720-1721-1722-1723-1724-1725-1726-1727-1728-1729-1730-1731-1732-1733-1734-1735-1736-1737-1738-1739-1740-1741

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43 Horse Lake, H. Fork, Oregon.

3 slings & 1 sand, the ... hanging ... in the ... of
a small tree & hanging from it till it d.

6-28-43 Camas, Wash. Upper Lacamas Lake 2 p.m.

Came in close to me with a swoosh. He was evidently a bird of the last year's age. Head & body were not so well-developed, deep rusty red brown coming in on the upper eye at the body color. The under side of wings t. This he unfolded his large wings, white, & eye very blue & bright. on a ray, he "backstroked", with his eye & wing, & wing extended legs ahead of him as he was in the air.

May 20, 1944 Camas, Washington 3 - 7 p.m. Saw several making their way to the Columbia river from LaCamas lake. They went out over at different times, but they all seem to follow the same line of flight, coming and going.

April 5, 1947: Leadbetter's Peninsula, ^{0.1 mi} near confluence of Willamette and Columbia Rivers. 10 a.m. I saw my first real heronry, and it was definitely worth the trip to see it, too ! There were 150-200 nests in Cottonwoods growing along the north side of a small slough. Although there were acres and acres of Cottonwoods in the area, all the trees containing nests seemed to be in an area of less than an acre. Nests were from 50 feet height on up, with some up around 100' I would guess. Nesting trees didn't seem to be more than 100 feet from the slough. Some birds were still building nests, and carrying on with courtship displays such as "cresting", and bowing, etc., from lofty perches. Other nests apparently are completed for there were a goodly number of birds on the nests, and probably incubating eggs at this time. Shot-like sounds produced by hitting a stick against a log resulted in the flushing of even those birds on the nests.

Sept. 28, 1948: Marposa Dam Site, Mariposa Co: feeding on young bullfrogs in pool
still remaining in creek bed.

Mar. 15, 1949 Leadbetter Penin,^{CR} near confluence of Millanette and Columbia Rivers. A few new nests have been built on the otherside of the slough. About 150 herons were present. Only one to a nest, the only exception being in one case where two birds were perched at one nest. Whenever a bird came near a neighbor's nest or flew close by he was promptly challenged by a head throw accompanied by guttural notes. With only one bird to a nest it would seem that they were males establishing nesting sites. Now and then we saw one carrying nesting material. The new nests on the opposite side of the slough were not occupied while we were present. We stayed and watched the rookery for about 30 minutes around noon. The cottonwoods were not yet leaved out. Only buds.

July 23, 1952 Huckleberry, McCloud, Siskiyou Co. Calif. 1 p.m. along creek, in yellowpine woods.

Mar. 17, 1962. Canyon Ranch, Colima State, 10 miles S. of La. 20-15. Redwood - on top of redwoods on northwest slope of ridge just above ranch bldgs. Many on nests, and one egg visible with bird standing beside it on nest.

American Egret

Casmerodius albus egretta

688-690-697-709-710-912-939-940-946-947-957-960-961-962-967-968-982-984-992-993-995-1005-1011-
 102-1030-1031-1036-1037-1042-1049-1052-1054-1055-1057-1069-1071-1074-1083-1102-1103-1104-1105-1107-
 1110-1120-1121-1130-1131-1134-1134-1141-1147-1163-1166-1176-1180-1182-1190-1191-1192-1194-1199-1200-1223-1224-
 1229-1230-1239-1247-1251-1252-1255-1256-1257-1263-1264-1265-1271-1272-1275-1274-1280-1281-1284-1288-1290-1291-1294-1295-1296-1299-
 1301-1313-1314-1317-1318-1324-1334-1340-1345-1346-1347-1348-1351-1354-1355-1358-1360-1361-1362-1366-1367-1369-1371-1373-1375-1377-1378-1381-1383-
 1386-1387-1391-1392-1393-1411-1416-1417-1421-1427-1429-1444-1448-1452-1462-1463-1468-1477-1478-1488-1496-1498-1503-1507-1508-1512-1520-1521-1524-1525-
 1527-1530-1531-1532-1533-1536-1542-1544-1553-1554-1572-1577-1560-1581-1585-1586-1589-1590-1598-1599-1600-1601-1603-1604-1617-1626-1636-1640-1641-
 Dec. 23, 1945 - San Rafael, California. Saw some on the tide flats along the highway.
 1643-1644-1655-1657-1669-1676-1679-1681-1683-1687-1691-1697-1699-1706-1710-1714-1715-1719-1723-1725-1726-1735-1737-1765-1766-1768-1779-1781-1782-1783-
 1784-1786-1787-1795-1796-1797-1802-1803-1804-1805-1811-1813-1814-1819-1821-1824-1834-1836-1839-1840-1841-1867-1870-1880-1883-1887-1914-1915-1916-1919-1932-
 May 6, 1947 12-mile Swamp. We hardly arrived at the swamp when we flew in front of
 1962-1963-1967-1968-1970-1981-2002-2011-2012-2013-2014-2025-2026-2033-2034-2035-2046-2049-2102-2103-2110-2114-2117-2137-2138-2176-2195-2196-2199-2352-
 us from the south, and lit at the north end. It flushed it off and on,
 all afternoon, and could still see it when we left the swamp at 1600.
 Black legs - yellow bill.

- August 8, 1947 Fern Ridge I am: a total of 4 were seen this a.m. 5 minutes from the NE side and watched them fly to the south end, a distance of several miles, where we later saw them again.
- August 9, 1947 12-mile Swamp. At least 5 were seen near the tide flats, at both ends. Three were seen at one time; two were taken off together; one was observed with his mouth pretty well filled with the outer of alligators from 2 to 4 inches long, which I watched it catch, and swallow. It was funny to watch the bird slip down until it reached the "top of the column" or predecessors. While watching two, a third came over, and made some bluff dives at the other two. The birds did "talk" to themselves, and to each other while I watched. They are a beautifully graceful bird to watch as they fly leisurely and lightly.
- Sept. 28, 1948: Mariposa Dam Site, Mariposa Co: feeding young bullfrogs, too.
- Oct. 2, 1948 Suisun State Refuge, Solano Co: these or snowys had nests from 30-75 feet up in Eucalyptus groves.
- Jan. 8, 1949 Gray Lodge Refuge: several 100 in area. On way up I noted about 250 of these egrets perched on the bare earth of the west and north banks of the Sacramento River, whichever was exposed to the early morning sun. Blue Herons, too.
- Jan. 27, 1949 LaJolla, San Diego Co - 3 seen perched $\frac{1}{2}$ -mile out to sea on kelp beds. One was observed in trouble, with its legs tangled in the kelp.
- July 12, 1949 Gray Lodge Refuge, Butte Co, Calif: seemed to be flying in all directions out over the country-side from an area on Butte Creek about 6 miles north of the refuge.
- July 24, 1949 Yolo Bay - para area - all flying northward. (7-23 a.m. they were coming from the N.)
- Aug. 3, 1949 Yosemite Valley, Mariposa Co. Calif. 3 p.m. circling over valley between El Capitan and Cathedral Rocks, and it finally headed north over ridge just east of El Capitan.
- Nov. 16, 1949 8 miles N of Butte City, Calif. about 200 seen. 150 were seen in another field. These fields were recently cultivated - usually had been in rice. There were no egrets in the Gridley Egretty
- Mar. 28, 1950 Bira Rock to LaJolla, San Diego Calif. 545 p.m. one seen 1 mile offshore on kelp beds.

March 24, 1940 - 2 mi NE of Seppooose, Oregon - 4 eggs in large nest of sticks & green branches. Nest in a copy. 75' up in a D. Fir. Cuthers Also 4 at 80' D. Fir.

March 28, 1942 - 2 mi NE of Seppooose, Oregon - 4 eggs in nest of large green fir branches. 70' up. Cuthers

June 13, 1954 Sacramento Weir, Yolo Co. Calif. Conspicuous by their absence - none seen.

Dec. 40, 1957 ~~W. T. (Cuthers) Butte~~

Brewster's Snowy Egret

Egretta thula brewsteri

Nov. 3 1944

Santa Ana river, NW of Arlington California. 1830 PST

A flight of 12-14, and they seemed much smaller than the blue heron, but I could see no colors because of the time or the evening. All I saw was their silhouette against the fading light in the west. I did notice that their necks were crooked.

Aug. 16, 1949

Reddish Egret
Dichromanassa rufescens

Feb. 22, 1951, Near Port Isabel, Texas - one perched on post in open water - dark phase

1854-1855-2238-

Louisiana Heron

Hydranassa tricolor
ruficollis

Feb. 22, 1951 Laguna Madre, Port Isabel Texas wading in bay, near blue heron.

Observer Fred Evenden, Jr.

Anthony's Green Heron

Number of birds banded: 42919-22-68-74-78-102-138-150-161-171-369-395-406-410-411-412-413-414-416-428-431-435-436-450-620-624-661-665-671-674-675-677-681-688-689-690-691-706-710-715-717-731-733-756-855-860-865-877-887-888-890-892-893-898-902-906-907-931-947-957-959-962-983-1043-1196-1217-1251-1352-1378-1294-1296-1590-1589-1592-1602-1603-1626-1651-1675-1728-1735-1809-1716-1961-1962-2026-2046-2142-2174-2310-2325-2327-2365-2370-2429-2457-2546-

utorides villosus

Date

Location and Observations

- August 7, 1940 | Pudding River: ^{one} seen in the river, but I did not disturb it. It was a young bird, possibly a juvenile.
- Sept. 21, 1940 | Pudding River: ^{one} seen up the river, but I did not disturb it. The bird was a young bird, possibly a juvenile.
- April 26, 1941 | Pudding River, Corvallis: ^{one} seen up the river, but I did not disturb it. The bird was a young bird, possibly a juvenile.
- May 24, 1941 | Pudding River, Corvallis: ^{one} seen up the river, but I did not disturb it. The bird was a young bird, possibly a juvenile.
- June 28, 1941 | Pudding River, Corvallis: ^{one} seen up the river, but I did not disturb it. The bird was a young bird, possibly a juvenile.
- March 19, 1946 | Corvallis, Gravel Pits: ^{one} In the muddy bottom lands I flushed a small (Little Green) Heron (or bittern). Body about 12" long. Wingspread 15" or so. Black and wings blue-grayish in color. Not too dark. Flew about 50 feet and landed again.
- July 1, 1946 | Stewart L., Corvallis: ^{one} A pair were present, so I suspect they have a nest in the area.
- July 13, 1946 | Salem, Willamette Slough: ^{one} One perched on log raft by the railroad.
- July 18, 1946 | Stewart L., Corvallis: ^{one} I found the nest of the above pair this p.m., but it had already been used. It was on the east side of the lake in a "lagoon" surrounded by vegetation. It was at 15' over the water in the fork of a willow tree. The nest was over 12-14" diameter (the main part) for a few misc. twigs were longer. The nest was piled 4-5" deep and formed a saucer-shape which was lined with finer twigs - all laid in the same direction, parallel to each other. The larger twigs appeared woven.
- July 18, 1946 | "Poison Oak" Lake, Linn Co.: ^{one} I found a pair that built a nest 15' over water on the northwest side of a small tree on the NW side of the lake. Made out of large twigs and smaller ones inside it. I didn't climb to the nest, for the tree is too small. I could see no young in it.
- July 20, 1946 | "Poison Oak" Lake: ^{one} I climbed to the nest which I found on the NW side, but the limbs weren't strong enough to permit my actually reaching the nest. I could see in it, and that is about all. I saw one large downy young with a bill over 1 1/2" long. It looked like there might have been another downy young, but it could have been the bend of the wing of the other that I saw moving. There were also definitely at least 3 pale blue eggs in the nest. The adult left the nest before I approached within 25' this time (On the 18th, she took on the nest after I was under it). The adult stayed quite close all the while I was climbing to the nest.

to approach quite closely, so that detailed observations could be made even without binoculars. On Silver Creek there are always one or two to be found just above the forest guard station at Silver Lake as well as on Silver Lake Marsh. This heron should be looked for along the Chewaucan River and on the marsh near Paisley, Oregon, and in suitable habitats near Lakeview, Oregon.

The Anthony green heron is usually very shy. Its liking for dense cover, where it is available, and its habit of "freezing" and permitting a person to walk by make it a very difficult bird to flush and to observe. It is definitely not a bird that can be found and observed by the casual methods of the "bird-walk" type. The observer will have to brave the dense alder and willow jungles along the streams in the western part of the state. Except on Warner Lake, the birds have always shown a definite preference for these jungle-like thickets along the streams and marshes where the vegetation crowds down to the very water's edge. Here in the shade and among the foliage its colors blend very well and its retiring habits make it most difficult to detect. Usually it will be seen only when it drops into the thicket or onto a bit of driftwood, or when it is flushed. At best it is a difficult and tedious task to find these birds. The best place to observe this bird is along the Willamette River along the stretch mentioned above, particularly below Peoria on the Benton County side of the river. By boat the backwaters are easily accessible. The birds are most often found perched about on the driftwood that piles up in back eddies and on the bars. Most of these points are not readily accessible from land. These birds undoubtedly nest here. There is no reason why this bird should not be as common along the Columbia River and its sloughs as it is on the Willamette River. There is certainly no reason for listing it as a "rare" form from the western and southern half of eastern Oregon.

In addition to the above records I have observed this heron at Coos Bay, July 4, 1942. Dr. K. L. Gordon of the Department of Zoology at Oregon State College says that he has always considered it quite common in the Willamette Valley. He has also observed it along the river on the highway between Grants Pass and Medford. The notes (unpublished) of Fred G. Evenden, Jr., show some interesting records in regard to its arrival in the spring and its late stay in the fall. The following records are from his notes:

Nov. 9, 1941, Toledo, Lincoln County, Oregon.

(1942) Nov. 5, Shelton, Washington (on Puget Sound).

Mar. 19, 1943, Corvallis, Benton County, Oregon.

March 19 and November 9 appear to be the earliest and latest dates on which this bird has been observed in the western part of Oregon. It is quite possible that along the coast and on the Willamette River it may be a year-round resident. In addition, Mr. Evenden has observed green herons as follows: "Aug. 7, and Sept. 21, 1940, Pudding River, Woodburn, Oregon; July 13, 1946, Croison Gulch, SW of Salem, Oregon. One was observed on July 27, 1946, on the cornice of the Commerce Building on the State College campus." His notes also show numerous records in Linn and Benton counties in the areas already mentioned, and his own comment is that "Anthony's green heron is more common than the great blue heron in this region." In view of his familiarity with this region and his thorough-going observations, this comment is worth noting.

While these notes are in no way complete as to distribution and habits, I hope that they will be of some help, particularly to the student, in dispelling the erroneous impression that the Anthony green heron is a rare or casual visitor in the state.

WM. GRAF
Arizona State College, Tempe, Arizona.

July 22, 1946 - Poison Oak Lake⁰⁶ One adult was on the nest at 10 a.m. when we approached, and as we watched another flew into an oak nearby, and slowly worked its way from tree to tree in a circle until it was in the next tree, and the bird on the nest took it and flew out to the edge of the tree and flew to a snag 100 feet or so away. The other bird then stayed at the nest. The bird that had been on the nest spent its time preening in the sun. I saw the parent bird take the young, and now I'd like to know how long the nest shifts are, or if it is just as long as it takes the free mate to find some food for the young. When we finally approached the nest, the adult stayed fairly close and permitted us to take some movies of it in a nearby oak tree. I put a ladder up to the nest, and when I looked in this time, the young were perched around the edge of the nest. Also there were 2 eggs. 1st stage robin's-egg-blue color. They were quite dirty from activities of the young.

Last time, only down could be seen. It is quite a bit. Now it is a creper gray, and pin feathers up to 3/4" long can be seen growing on the wings, etc. The skin has the crepe protruding as if it had just been fed. Total length of the bird to the wing might be 6-7" now. One bird is just slightly smaller than the other, so I assume that the other three eggs are failures, or the young would have been out by now. The leaves, branches, and pond lilies below the nest are thoroughly "whitewashed". The top half of the nest is quite airy, and aerated, as you can see below the nest, and see the young in the nest OK. It is a solid mass of twigs under the center of the nest, however. The young are free in the nest with their legs up-right and necks held straight up, also.

July 23, 1946 - Stewart Lake⁰⁶ Young perched on a snag near the duck trap at 11 a.m.

July 23, 1946, Poison Oak Lake⁰⁶ 1 - 8 a.m. 11 a.m. Clear and hot.

Adult on the nest at 1 p.m. Doc Gibson worked around the lake with camera and tripod, and the bird, although nervous, stayed on the nest with him only 15 feet away. As he approached, the young, which had been standing on the edge of the nest, on one side of the adult, then ran under the adult bird. Doc took pics, moved closer, and took even closer. Then I worked up to and the nest to get action out of the bird. It rose from the nest, and it liked along the limb into the center of the tree, and then flew into an adjoining fir tree.

The young are quite active in the nest, and perch upon the center frequently, sometimes almost losing their balance, but sometimes regaining it awkwardly. The pin feathers are really coming out fast, and the down is almost a blue-gray now. The skin is tinted yellowish in places, and greenish in others. The legs are a yellow-green. The bill is a golden-brown.

We took movies and stills at the nest, and then I reached for the birds to band them. The older of the two took on the opposite side of the nest, and walked out on a limb about a foot or so from the nest, and wouldn't come back to where I could reach it. The other one hung to the nest sticks tightly, and wouldn't release its bill until I let it cling to my fingers. There are still 2 eggs in the nest. The eggs be no good, for they certainly would have hatched by now.

July 25, 1946

Poison Oak Lake⁰⁶ 8 to 11 a.m. Climbed to the nest again, but both young ran out on limbs away from the nest, where I couldn't reach them. The parent bird circled around close by over the lake, and landed in a nearby oak, uttering its "unk" "unk" notes. I gave up and returned to the nest later, and the young were back in the nest, and the adult left the nest again. The oldest one (the one I didn't get to band on the 23rd) went out the very same limb all three times. However, the younger of the two birds went out different limbs both times that it retreated. I rocked the limb up and down and each time the limb went

Anthony's Green Heron nesting in western Oregon.—On July 18, 1946, a nest of the Anthony's Green Heron (*Butorides virescens anthonyi*) was found at the edge of a small lake in Linn Co., just three or four miles east of Corvallis, Oregon, in the heart of the Willamette Valley. The nest contained two downy young, of unequal size, and three eggs. Kodacolor stills and movies were taken of the adults, young, and nest on July 23 by Dr. K. L. Gordon, Head of the Dept. of Zoology at Oregon State College. On that date, none of the three eggs had hatched; as was proved later, they were failures.

The nest was situated about 12 feet over the water of the lake, in an ash tree (*Fraxinus oregona*). The nest itself had a dense shade canopy over it, even though the tree was in direct sunlight every afternoon.

Previous to this, on July 1, 1946, I found adult Green Herons carrying food to a nest (which I could not locate) on a small pond just two miles north of Corvallis, in Benton Co. However, on July 17 I did find this nest which was situated 15 feet over water in a willow (*Salix lasiandra*). This nest also was on the eastern side of the lake, but well shaded and not as exposed as the nest mentioned above. On July 23, I saw one half-grown young perched on a snag on this lake, evidently from the empty nest I found on July 1.

On July 27, 1946, the two young from the nest found July 18 were well feathered, and they left the nest by July 31. The nest was found torn up and with the three eggs floating in the water below where it had been, on August 2. The pond lilies and willows below the nest were thoroughly "white-washed" by the two growing young.

When I visited the lake on August 16, I watched both the young, now well developed, feeding in shallow water. The leg bands I had put on them were plainly visible when they perched on snags at the edge of the lake.

These two nests constitute the very first actual nesting records of this species in Oregon. At the date of publication of Jewett and Gabrielson's 'Birds of Oregon,' (1940), they stated that the bird was a decided rarity.

On May 25, 1944, a young Green Heron was found in the city of Portland (Jewett, Condor, 47, no. 5: 219, 1944)—the first published proof of the Green Heron breeding in Oregon. My unpublished notes show that on June 28, 1942, I found two half-grown young, barely able to fly and attended by the adult birds, on Horseshoe Lake, near St. Paul, in the northern part of Marion County. It is quite evident that in recent years the Green Heron has become much more common in Oregon. It is surprising that no one has found a nest before this time.—FRED G. EVENDEN, JR., Dept. of Zoology, Oregon State College, Corvallis, Oregon.

- July 25 continued: down, the young instinctively spread its wings, undeveloped as they are. Finally I took a long stick and got it to perch on it, and then I lifted it in to me. I took it to the ground, landed it, and took pics of it. The wing pinions are coming rapidly, as both primaries and secondaries have grown considerably. The primaries on the oldest bird are about 1/2 inches long now. And when I held it, it tried to peck at me with its long bill. The down is turning darker and darker every day.
- July 27, 1946 - OSC Campus. 10 a.m. I watched one circling over the campus, and it soon came to rest on the eave of the Commerce Building roof cornice.
- Aug. 2, 1946 - Poison Oak Lake - One adult carrying a 5" fish in its bill, and it alit on an oak snag. I visited the nest, and saw 4 eggs. Had one to my nest I watch, and then it flew away for a while, it came back up, and the 4 eggs were floating in the water under the nest. Not much of the nesting material was left. No sign of the young. I can only say that they have left the nest before it was torn up by whoever, or whatever did it. All the vegetation below the nest was thoroughly "disturbed" by the birds, compared to the amount present when last I visited the nest. The adults seem to have special tracks that they habit, and they follow which they move when they work their way around the lake.
- August 15, 1946 - South Santiam R. Cascade - Sweet home 4 p.m.
Saw one feeding on lot water exposed bed rock in stream.
- August 16, 1946 - Poison Oak Lake 8-9 a.m. Saw both young birds that I banded. They had nearly full adult plumage, with one slightly less developed than the other. Saw one adult at Old Creek, on the way back, too.
- August 26, 1946, Poison Oak Lake, 8 a.m. A young one perched for a long while on a small snag sticking out of the water. I approached within 50 feet, and while I stood there it became very nervous, shown by the flicking of the tail.
- Sept. 11, 1946 - Avery Park, Corvallis - flushed and then the bird flew to the river
- May 13, 1947 - Stewart Lake, one perched on fallen oak tree with 4 Wood Ducks and 15-20 Mud Turtles
- Sept. 7, 1947 - Corvallis Gravel Pits: one standing at the end of gravel bar on the gravel bar. Another immature bird sat on a piece of drift wood 75 feet from the river, and squatted down and hid, and then flew to the gravel and squatted there, as if trying to escape the observer.
- Sept. 16, 1947 - Avery Park: one on the river and in river. I approached it to see its tail up and down movements. I have seen the bird before. It approached within 25 feet of me, and it turned its head directly to me. It then flew across the river to the gravel bar. It then flew to the gravel bar, before alighting over the gravel bar. It then began to take off to the river. There is no record to last for 1947.
- July 1947 - Ben Pruitt's place at Thurston, Lane Co. -
Nest at 15' over water in alder on N side of slough off McKenzie R. - 5 young left in July.
- June 23, 1948 - Ben Pruitt's place at Thurston, Lane Co. - 6:30 p.m.
Nest on S side of slough off McKenzie R., 100 feet from (W. of) last year's nest.
Nest 8' over water in hazel, on horizontal limb to NW, about 8' out, too. 4 young, about 3 1/2"-4" long with bill about 1 3/4" long.
- July 26, 1946 - Cottage Grove Reservoir: adult at 15' in . . . in cut-over area, but not over 1/2 yard from stream edge, and it was on nest. It was on nest. It was on nest.
- Sept. 8, 1948 - Sacramento Refuge: very common along the "Logan River" or ditch, few being seen in the true marsh areas. This may be because of the short willow growth, etc., available along the river or canal. No evident imms. seen.
- May 14, 1949 - Rocklin, Calif. 1 flew over highway
- June 3, 1949 - Corning, Calif. 2 pm. " " "
- July 5, 1950 - Redding, Calif. 12 noon. near Park.
- Aug 7, 1954 - "Bear Spill Hill" 4550 Eldorado St. Calif. 1500' alt.
- July 12, 1957 - Saw along Clear R. near Arden Park, Santa, Calif.
- 7/29/62 - 1 on water in a small pond. R.

... ..
... ..
5' 24' 79. King George Arch. Adult nest of eggs in Callis reticulata @ 32-24.

106-236-268-545-447-457-984-992-1031-1043-1047-1068-1071-1147-1162-1182

[illegible]

| Date | Location and observations |
|----------------|---|
| Dec. 6, 1941 | On highway to Monroe: ^{near} Monroe ^{California} California ^{Monroe, Louisiana} Louisiana ^{Monroe, Louisiana} Louisiana |
| Sept. 8, 1948 | Sacramento Refuge: exceedingly common, both adults and immatures. These birds were commonly seen perched in trees, wherever available. Immatures were quite uniform gray color, with a buffy curved line running out the wing, but no other distinctive markings. |
| Sept. 25, 1948 | Grey Lodge Refuge: none seen over the refuge till 2 p.m. when I found a heavy concentration at the west end of the "loafing pond". I'd estimate there were between 150-200 individuals. I could see over 50 perched on the <u>Scippus</u> from one position. I flushed them by waving, shouting and clapping. Before I did this they sounded like a chicken-yard full of hens the way they chattered among themselves. This is the most I have ever seen. Contrasting these with the ones on the Sacramento Refuge where they perched in the taller willows, etc., at the edges of the ponds. |
| Oct. 23, 1948 | Grey Lodge Refuge: in the colong area where I saw 150-200 of them before, I put up at least <u>3500-4000</u> of them! Adults and immatures. Iris red-brown. |
| Jan. 8, 1949 | Gray Lodge Refuge: just 50 or so seen. Big colony gone. |
| Jan. 29, 1949 | Cyperus Point, 17-mile Drive, Monterey Peninsula - one on wave-washed rock at edge of tidepool just north of the golf course. |
| April 5, 1949 | Humboldt Bay, Humboldt Co.: one seen on bay mud flats at 430 p.m. |
| June 22, 1949 | Bishop Cr. or Metropolis Per. 1 or 2 seen, Elko Co. Nevada: 4 just perched on floating log on upstream face of dam. |
| June 30, 1949 | Stillwater Wildlife Mgmt Area, Churchill Co. Nevada: 3 seen, young fully grown, but in brown plumage, and flight awkward. |
| July 24, 1949 | 630 p.m. - Yolo By-pass. ^(all) Small grouse flying 5 to 6 roost(?) |
| Nov. 22, 1949 | Biggs - Butte City Road, Butte Co. ^(all) At Butte Ranch. Many black-throated sparrows perched |

Exp. on Nit. Comp.

Hughes Allen Rd. Ham. Is calling overhead & forward.

5/13/79

Least Bittern

Ixobrychus exilis hesperis

Sept. 8, 1948. Sacramento Wildlife Refuge: a new life-lister for me ! Brownish, with rusty wings, and not over 10" high. Would alight in tules, when flushed.

6/18/66 S and W of 1/2 Imokalee, Florida. 1 on wire line above sd

Observer Fred Ivenden, Jr.

medic n. - ittern

Number of items tried

77-78-142-147-152-154-210-332-545-621-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-1226-1227-1228-1229-1230-1231-1232-1233-1234-1235-1236-1237-1238-1239-1240-1241-1242-1243-1244-1245-1246-1247-1248-1249-1250-1251-1252-1253-1254-1255-1256-1257-1258-1259-1260-1261-1262-1263-1264-1265-1266-1267-1268-1269-1270-1271-1272-1273-1274-1275-1276-1277-1278-1279-1280-1281-1282-1283-1284-1285-1286-1287-1288-1289-1290-1291-1292-1293-1294-1295-1296-1297-1298-1299-1300-1301-1302-1303-1304-1305-1306-1307-1308-1309-1310-1311-1312-1313-1314-1315-1316-1317-1318-1319-1320-1321-1322-1323-1324-1325-1326-1327-1328-1329-1330-1331-1332-1333-1334-1335-1336-1337-1338-1339-1340-1341-1342-1343-1344-1345-1346-1347-1348-1349-1350-1351-1352-1353-1354-1355-1356-1357-1358-1359-1360-1361-1362-1363-1364-1365-1366-1367-1368-1369-1370-1371-1372-1373-1374-1375-1376-1377-1378-1379-1380-1381-1382-1383-1384-1385-1386-1387-1388-1389-1390-1391-1392-1393-1394-1395-1396-1397-1398-1399-1400-1401-1402-1403-1404-1405-1406-1407-1408-1409-1410-1411-1412-1413-1414-1415-1416-1417-1418-1419-1420-1421-1422-1423-1424-1425-1426-1427-1428-1429-1430-1431-1432-1433-1434-1435-1436-1437-1438-1439-1440-1441-1442-1443-1444-1445-1446-1447-1448-1449-1450-1451-1452-1453-1454-1455-1456-1457-1458-1459-1460-1461-1462-1463-1464-1465-1466-1467-1468-1469-1470-1471-1472-1473-1474-1475-1476-1477-1478-1479-1480-1481-1482-1483-1484-1485-1486-1487-1488-1489-1490-1491-1492-1493-1494-1495-1496-1497-1498-1499-1500-1501-1502-1503-1504-1505-1506-1507-1508-1509-151

| date | Location and observations |
|------------|---------------------------|
| 1950-10-10 | 1000 ft. above ground |
| 1950-10-11 | 1000 ft. above ground |
| 1950-10-12 | 1000 ft. above ground |
| 1950-10-13 | 1000 ft. above ground |
| 1950-10-14 | 1000 ft. above ground |
| 1950-10-15 | 1000 ft. above ground |
| 1950-10-16 | 1000 ft. above ground |
| 1950-10-17 | 1000 ft. above ground |
| 1950-10-18 | 1000 ft. above ground |
| 1950-10-19 | 1000 ft. above ground |
| 1950-10-20 | 1000 ft. above ground |
| 1950-10-21 | 1000 ft. above ground |
| 1950-10-22 | 1000 ft. above ground |
| 1950-10-23 | 1000 ft. above ground |
| 1950-10-24 | 1000 ft. above ground |
| 1950-10-25 | 1000 ft. above ground |
| 1950-10-26 | 1000 ft. above ground |
| 1950-10-27 | 1000 ft. above ground |
| 1950-10-28 | 1000 ft. above ground |
| 1950-10-29 | 1000 ft. above ground |
| 1950-10-30 | 1000 ft. above ground |
| 1950-10-31 | 1000 ft. above ground |
| 1950-11-01 | 1000 ft. above ground |
| 1950-11-02 | 1000 ft. above ground |
| 1950-11-03 | 1000 ft. above ground |
| 1950-11-04 | 1000 ft. above ground |
| 1950-11-05 | 1000 ft. above ground |
| 1950-11-06 | 1000 ft. above ground |
| 1950-11-07 | 1000 ft. above ground |

May 18, 1941 | 12-mile swamp south of Corvallis: One distinct call heard.

May 24, 1941 | 12-mile swamp south of Corvallis: One or two calls heard. The bird held its neck straight in the air.

April 25, 1940 | 12-mile swamp south of Corvallis: One at 7:00 a.m. Their "rist" call was quite evident. They remained still with their heads up, looking toward me as I walked along the trail. At last they flew off, but not before I had seen them sit silently.

May 12, 1942 | 12-mile Swamp: Nest w/ 4 eggs, made of dead sedge, placed in the water in a clump of cattails on the edge of swamp.

May 31, 1942 | Same place as above: One sitting on nest.

Aug 8, 1942 | 12-mile swamp south of Corvallis: One seen on tail trip at 10:00 a.m. It was flying over the water, just over the bridge, and it looked like it was about to land. It was very close to the water.

March 6, 1947 | Mc-farlane 12-mile swamp: One seen on tail trip at 10:00 a.m. It was flying over the water, just over the bridge, and it looked like it was about to land. It was very close to the water.

June 2, 1944 | Melanville Oregon - 4 eggs in nest of dead + green reeds at water level in cattail area small pond. Most likely Cooters.

Oct 10 1944 | King Hill to Glenns Ferry, Idaho. Saw one, young of the year, at the edge of the bank along a stretch of the river.

May 13, 1947 | 12-mile Swamp: One in the spike-rush within 25 feet of Tom McCullister, but it wouldn't show itself until Dave and I came up to the road toward the bridge. It flew to the NE side of the swamp, where I later flushed it again.

July 24, 1947 | 12-mile Swamp, 5:00 a.m. a pair flew from the north to the south end of the swamp, one behind the other.

Feb. 14, 1948 | 12-mile Swamp: While eating lunch in the jeep on the road just east of the Mudry Cr. bridge I noticed something in the road which looked like a paper sack that was open. Checked it with the binoculars and found it to be a bittern standing still with neck pulled in. A minute later it began walking very, very slowly and deliberately back into the swamp. The movement was so slow that the bird's camouflage was still effective even on the gravel. Eventually it went back into the swamp, but several minutes later I noticed it back in the road. This time it moved slowly toward the other side with neck stretched almost to a totally horizontal position. Just before it got back into the swamp, a car came along and at the last moment the bittern awkwardly took to the air - this ob by Dave Marshall.

Feb. 15, 1948 | 12-mile Swamp: I also saw it at 3:30 p.m. just to the west of the second bridge, at edge of the road, it flushed to a 8' Ash "unloading" as it went, then flying 100 feet or so into another ash area. This was just a 1.0' from where Dave saw it Saturday afternoon.

April 4, 1949 | Sacto Signal Depot - One in pool in field - 9 a.m.

July 11, 1949 | Willows-Cro Ferry, Glenn Co. One observed flying with mouth wide open - hot.

Nov. 16, 1949 | Butte Creek, along 1004 Levee, N of White Mallard Duck Club, near Gray Dodge Refuge - observed 2 at open edge of ditch, south. They froze, but would turn head as I worked around them.

May 30, 1953 | SW Corner Lake Tahoe, Pope Beach Marsh - 5 p.m. 2 seen, also heard pumping.

June 27, 1954 | Pope Beach Marsh, Lake Tahoe Calif. 2 or 3 seen, flying over marsh.

May 1, 1955 | Larson Valley, S of Genoa, Nevada. Watched birds in courts in solar-pasture.

June 2, 1960 | E Levee Rd, N of Elkhorn Rd, Sacro Co, Cal. Pair feeding in yellow-weverid area at 9 am.

Whistling Swan

1097-1099-1131-1134-1151-1336
2447-2495-7-2508-2518-2521-

Number of field trips on which observed:

193-365-366-442-566-1027-1031-1042-1045a-1052a-1055a-1069-1071-1081-1083

1819-2035-2210-2253-2385-2428-2429-2557-106800-10686

| Date | Location and observations: |
|---------------|---|
| Mar 9-10 '46 | Taft Bay, Taft, Ore. We saw from 8 to 12 of them on the far side of the bay, near the sand bar. |
| Sept 5 '46 | - Taft Bay 330pm. 9 of them at the south end of the bay, just a short distance from the highway. |
| Mar. 26, 1947 | - Lake Lytle, Tillamook Co: 3 birds feeding along shore at south end (McCallister) |
| Dec. 2, '48 | - Boca Reservoir, Nevada Co: probably a whistler - a single immature bird along the west side of the reservoir, in a wind-protected cove. Very little pure white, most of body appearing grayish. Head and neck appeared to be tinted a golden-brown color. Observed at 200 yards, so details are lacking. It did seem the head profile had much of the canvasback head profile. |
| Dec. 29, '48. | Gray Lodge Refuge, SW Butte Co: about 150 on the area. |
| Jan 8, 1949 | Gray Lodge Refuge: close to 1500 of them on the refuge. They were a beautiful sight flying against the strong winds. Many were calling. |
| Jan. 20, '49 | 12-mile Swamp (DBM) first saw four adults which came out from behind a sedge clump in the channel next to the island south of the road. They didn't see us at first, but soon took to the air, circling around behind us giving us a good view. Upon taking flight they uttered some notes similar to the honking of geese (canada). We found three others in behind some sedge and spirea in the big pond at the same location. These birds were pumping their heads and necks up and down as other waterfowl do in courting. They flushed and I paced the distance from where they took to the air. Each group flushed at about 200 feet from us. I have reason to believe that these were not the only swans on the swamp, because I later saw what I thought to be a young one from the road. It was in the sedges southwest of the bridges. Grayish plumage. |
| Jan. 25, '49 | 12-mile Swamp saw the 7 again (DBM) at the same location. Some of their calls were almost human-like. In addition to those given last time, the birds gave low whistles. They again pumped their heads up and down, calling while doing so. All were adults. |
| Feb. 6, '49 | Sacramento-Gray Lodge Refuge saw 2 flocks of 150 and 85 resting and feeding on bare fields, usually freshly plowed. |
| Feb. 6, 1949 | Gray Lodge Refuge: perhaps close to 6-700 seen scattered thru refuge area, tho other large flocks were seen outside the refuge in large open, plowed fields. They taxied off the water within 10 feet in this wind. Called often. Was tough flying, even for them. |
| Feb. 27, 1949 | 12-mile Swamp (DBM) two immatures and 3 adults in field west of Muddy Cr. just south of the road south of the swamp. |
| Jan. 30, 1949 | 12-mile Swamp: At dusk three adults circled in and lit at the edge of the water directly in front of our blind. The only sound they made was the loud rattling roar of the wind in their flight pinions as they landed. They spent their time feeding and preening. When it was dark, we stepped quietly out in front of them, but they were not the least bit disturbed, neither was a flock of nearby Canada Geese. Only the mallards became alarmed (THH) |
| Feb. 1, 1949 | 12-mile Swamp: 10 birds, including two imm. feeding in open field 1/2 mile S of the swamp. Farmer said they 1st appeared there Jan. 27, and had been there every day since then. The first few days, this was during the freeze, several of the birds came up to his house and were so tame he at emptied to approach them with a pan of grain. They were also eating shoots or rye grass. |
| Dec. 15, 1949 | - Stillwater refuge area, Siskiyou Co. - about 100 seen in NE section by Fred Wright just the day before. |
| Dec. 15, 1949 | - Walker Lake, Mineral Co. Nevada - small groups of about 6/group scattered over the lake. One group of 12-14 adults and imm. Total number seen was about 75. Occasionally a couple of the groups would swim together, making groups of 12-14. |
| Jan. 11, 1952 | Hood - Franklin, Siskiyou Co. - 7 flocks of 10 - 25. 35-40S, R4 |

Feb. 13, 1959 - *Myrica* - 25 white.
 Feb. 15, 1959 - Distributing mud flats & fields of *Commersonia* by South to ally. - 45-50 near
 2/16/59 - Pine (Farm) 100% green. 12% dead. *Corylus* 100% green.

Number of files in _____ in _____ 19____

24-65-84-104-105-106-111-134-147-187-192-198-210-212-266-275-289-
 93-526-545-579-~~583~~-583-600-603-604-743-⁷³²776-779-803-827-843-
 971-10902-1103-1113-121405-1407-1409-1411-1415-1416-1417-1418-1419-1429-1430-1432-1438-1458-
 1559-1560-1493a-1495a-1637-1646-1743-1750-1766-1797-1804-1840-

Western - 1045-1069-1071-1086-1091a-1091b-1102a-1111a-1138a-1138b-1147a-1152-1153-1156-1159-1164-1177-1179-1187-1273-1274-
1277-1280-1299-1309-1310-1324-1326-1342-1348-1356-1365-1367-1368-1376-1378-1379-1391-1393-1417-1420-1422-1423-1428-1429-
1430-1431-1432-1433-1434-1435-1445-1447-1448-1449-1452-1462-1463-1464-1482-1494-1508-1515-1527-1580-1561a-
1615-1779-1805-1812-1813-1815-1817-1824-1825-1826-1931-1932-1933-1935a-1943-1996-1997-2002-2013-2015-2035-2043-2044-2098-2293-2322-

12-mile (winds south of Corvallis)

Dec. 3, 1943

Walla Walla, Wash., along Columbia R., Got up to within 30 feet of one bunch of 27 along the bank of the river.

Glenn's Ferry to Hammett, Idaho - Floating down the river and on bars, etc. They all seemed to be traveling in pairs. In one instance a third party tried to join a couple and it was driven off right away.

Corvallis: ^{OR} 2 strings, totaling from 250-300 birds flew over at 3500 feet.

Poison Oak Lake: 3 flights went over, heading north, all in long inverted "V". 275 in one flock, 150-160 in another and 225 in a third, which was above the clouds.

17-mile Stamp: ^{OK} I thought most of the geese had left, but today their numbers probably ran between 2,000 and 3,000 birds. Sub-species? "???"

test side length. 1000 ± 0.001

12-mile swamp.⁰¹ At dusk 4 lone geese came over and circled the area many times, and then after settling up a wild clamorous call, settled down. Shortly after this the main body of the geese came in on the fields in small groups until well after dark, at which time the birds had all settled in this one small area of water. Apparently the first lone geese which circled the area cautiously acted as scouts.

12-mile Swamp⁰¹ (IBM) in the time we were at the swamp (9:5-14:0) there was noted nine flocks of geese migrating. They came over throughout the time we were present. Flocks composed of following numbers: 35, 20, 800, 250, 300, 120, 250, 60, 50; total: 2065 None of these birds stopped. There were, however, 7 Canadas at the far south end of the swamp.

Hogan Res. Calaveras Co. Calif. 225 (one flight of 36 came in from the valley while I was there. Mr. Ballard states that they leave the res. as late as 10 p.m. returning in the a.m. The geese leave each day before the ducks. Ducks seem to leave in one large group.

Abert Lake, SE side, Lake Co. Oregon. 3 pairs, with 2, 5, and 9 young. While on the bank, the young were mixed in a loose flock, but they segregated into their right groups as they moved towards the water at our approach.

Summer Lake, Oregon. many seen, and many with young, mostly of larger size than those seen at Abert Lake, but still with down, gray. 12 adults alone. Also 7 pairs in flock with 24 young. Young seen in family groups of 4, 4, 8, and 3, with pairs of adults.

Derby Dam Forebay, Truckee R., Washoe Co. Nevada - 2 pairs of adults with 4 young, 2/3 grown, and with 6 young.

Carson Valley, Douglas Co. Nevada - 38 adults and a total of 47 young, Cl. II, grouped as follows: 3, 2, 3, 4, 5, 7, 3, 3, 6, 5, 6.

the Peach Spit, Lake Tahoe, Calif. Much sign around, and old nests of this year found.

... ..

Observer Fred Lenden, Jr.

Lesser Canada Goose

Branta canadensis leucopareia

Date

Location and Observations

- Jan 17, 1943 12-mile swamp south of Corvallis.^{Or}
Approximately 1 or 2,000 of these and the Common Canada
on the area covered today.
- 6-2-43 Klamath Lake, Ore.
saw one adult (imm?) with 5 young about 1/2 grown.
- Dec. 3, 1943 Wallula, Wash., along Columbia R. - not many compared to the common Canada.
- Sept. 24, 1946, Hoodburn, 10 a.m. the lights of them heading N, high:
- Jan. 29, 1947, 12-mile Swamp.^{Or} in a flock of 3000+ - took off from north end of swamp in a mass, and split into 2 groups, one heading NW, while the other circled and landed in field east of swamp, near the hiway. Flushed them back & forth.
- Feb. 4, 1947 12-mile Swamp.^{Or} approx. 1500 flushed from a field south of the swamp, when we were still 200-250 yards away, but all flew over us, as they flew to the north end, where we flushed them about a 1/2 hour later. It was a thrill to see them in flight, and still more of a thrill to hear the crescendo-like roar at the beginning of the flock taking to the air.
- Feb. 11, 1947 12-mile Swamp.^{Or} there never have been the numbers around this area that there were today. There were between 6,000 and 10,000 altogether. "Triangle flight!" They were very restless, and altho we did not flush any, a passing train did, for the geese were on both sides of the track in most of the fields, and a Cub plane flying in high from the north put them all to flight. No matter where you looked, near or far, strings of geese could be seen. It was a thrill to see them in such enormous numbers.
- Feb. 18, 1947 12-mile Swamp.^{Or} we flushed on single flock at the north end of the swamp. This was a thriller for there must have been at least 3000 to 3500 in the swamp, and then they circled and most of them came back over us at low altitude. We flushed them again after they landed in the next field north of the swamp. For the first time I had a really good chance to see how geese lose altitude when they come in to land. They roll over on one side until their extended wings are vertical, and they slip downward some 20-30 feet, before rolling their wings back horizontal, but they don't stop there if they plan on descending further, but continue to roll on over to the opposite side until the wings are again vertical.
- Feb. 25, 1947 12-mile Swamp.^{Or} small flocks in shallow water at the north end, with the bulk of 2 or 3,000?? at the south end, on grassy land, just seemed to be basking in the sun, for they weren't feeding. Just the sound of airplane engines on the flyway to the east will put some of them to flight.
- Mar. 1, 1947 12-mile Swamp.^{Or} 2500-3000 in flooded field north of the swamp. We did not flush them. They were preening, and many were extending their wings and beating them vigorously, or running a short distance while beating them.
- April 8, 1947 12-mile Swamp.^{Or} approximately 2000-2500 were in one or two flocks at the south end of the swamp and an adjoining field. Most were Lessers with some Commons with them.
- April 15, 1947 12-mile Swamp.^{Or} We thought they had all gone, but we found one trying to sneak away thru the marsh vegetation at the N end of the swamp. Finally it flew. Whether or not it was sick, I don't know, but it did have trouble getting into the air, even against a strong N wind, and then it circled downwind, to
- May 6, 1947 12-mile Swamp.^{Or} Tom flushed just one from the north part of the swamp. It may have been the one Dave and I flushed about a month ago, but it seemed to be in apparent good health, while the one we saw was not???
- May 13, 1947 12-miles Swamp.^{Or} still the one on the swamp. Flushed it 3X

Nov. 6, 1948 Hogan Res, Calaveras, R: 800 or so. 2 had white wing primaries.

Apr. 13, 1949 - Sacto. Signal Depot - 8:45 a.m. 3 large storks flying north, calling loudly.

Dec. 3, 1949, Pailing Estate, near Bruce, Denton Co. Oregon. 4 a.m. DBM.
estimated 3,000 in all. They kept coming in and landing in a
field directly north of Pigeon Butte. Were eating shoots of
rye grass. Probably not more than 10 cacklers seen although
many more were undoubtedly present.

Nov. 7, 1959 - S of Corvallis, Oregon, N from 12-mile Swamp, 1000's in fields.

1/4/76 near Bakersfield, Calif. - 1000's in fields.
Full moon, cloudy, white, 20-30 degrees
in afternoon

Observer Fred G. Evenden, Jr.

Cackling Goose
1029-1031-1043-1049-1052-1060-1071-1100-1192-1217-1340-1348-1350-1365-1367-1375-1378-1379-1417-1429-1448-1449-1527-1580-1617-
714-739-742-750-758-783-786-794-796-799-827-844-852-857-868-873-924-947-972-999-1011-
193-257-261-266-373-440-486-501-516-575-599-605-688-
Number of field trips on which observed

Branta Canadensis minima

| Date | Location and observations |
|----------------|---|
| Apr 5 1946 | Corvallis, 830 a.m. A flock of 60-70 flew over the campus, heading due north. They were calling loudly. |
| Feb. 11, 1947 | 12-mile Swamp a few small flights of 7 to 15 present. Small size noticeable. |
| Apr. 3, 1947 | Stewart Lake, Corvallis! a single one at the south end of the lake in company with a single White-fronted Goose. |
| Apr. 24, 1947 | Corv, MacDonald Forest! a flock of 150-175 flew by about a 1/2 hour behind a flight of Lessers |
| August 8, 1947 | Fern Ridge Lam! we flushed one from the NE side, and it layed about a close, never leaving the vicinity too far. |
| July 20, 1947 | Lewis Lake: 14 seen. |
| May 5, 1959 | Gray Lodge Refuge, S. Butte Co. 25 flew over. They usually leave by now, with stragglers present until about May 15 according to Cowan and Cloyd. |
| Sept. 21, 1950 | Woodburn, Oregon. heading south at 930 p.m. Calling. |

Observer Fred Ivenden, Jr.

Black Brant

101
704 118-193-366-566-567-628 778-1055-1079-1107-1110-1147-1166-1383-1533-1579-
1903-1904-2068-2072-2073-2206-2210-2254-2306-2312-2402-2413-2660-65-

Branta nigricans

Date

Location and Observations

Black Brant, Cinnamon Teal and Yellow-headed Blackbird in the Willamette Valley, Oregon.—A rare sight, indeed, on October 23, 1941, was a solitary black brant (*Branta nigricans*) standing at the edge of a winter pond in a stubble field. The pond was about 100 feet east of highway 99W, just a few miles south of Monmouth, Oregon. Although I have seen many black brant at Newport, Oregon, on Yaquina Bay, this is the first, and only, one I have seen in the Willamette Valley.

- Mar 26, 1947 Netarts Bay^{Calif} - that night while camped on the edge of the bay, we heard large numbers of them coming into the bay shortly after dark (T. McCallister)
- Mar. 27, 1947 Netarts Bay: ^{Calif} flock of 200 out on a mud flat in the bay. Several strays feeding on flats along shore (Tom McCallister).
- May 18, 1947 Seal Rocks, Lincoln Co.^{Calif} - a flight of 130-140 flying fairly high on their way north.
- Mar. 19, 1949 Tomales Bay, Marin Co.^{Calif} - about 1500 to 2000 feeding on eel grass in bay.
- Mar. 19, 1949 Bodega Bay, Sonoma Co.^{Calif} - about 2500 - to 3000 in 3 or 4 small flocks.
- Apr. 25, 1950 Humboldt Bay, Calif. few in north bay, but I made three counts on calm water in the South Bay early in the a.m. and the total averaged out to 35,000 birds. About 130 p.m. I was at the end of the north spit, while strong 30-40 mph winds were blowing from north and I observed several flocks of 150-200 or 300 brant heading north over the ocean to the west of the south spit, and then veering in sharply with the wind, as they reached the bar entrance channel. Perhaps these were north-bound migrants moving into Humboldt Bay from the south, and seeking haven from the winds.
- Dec. 7, 1950 Morro Bay, S. Luis Obispo Co. Calif. a total of about 9,800 in 3 main bunches in east and central bay areas. Localities state the brant arrived soon after mid-November. Depart late Feb. and March.
- April 18, 1951 Morro Bay, Calif. Mt. 610 a.m. Most in central portion of bay, some opposite fish piers downtown. Some fed at base of cliff in park. Others feeding over bay area. Some moving in from south and a few out to north. Total about 8,500 birds.
- April 19, 1951 Pt. Pinos, Pacific Grove ^{Calif} - 1230PST - 74 on white-sand beach below Asilomar. Others flying and 25-30 floating offshore opposite rocky points. Also feeding. Observed some territorial behavior with those birds on white sands.
- April 20, 1951 Pt. Pinos, Pacific Grove ^{Calif} - 15 on beach, 25 offshore, others in tide-pools.
- April 19, 1951 Moss Landing - 5 in bay on mud bar.
- April 21, 1951 Pt. Pinos, Pacific Grove, Calif. 10 in rocky tidepools.
- Mar. 12, 1952 Moss Landing, Monterey Co. Calif. sooty brown, with neck ring incomplete, very white belly behind the legs.
- Mar. 22, 1952 Bodega Bay, Sonoma Co. Calif. 4,000 or so-as tide went out they moved to open water and grassed hills E of bay. Many people around bay this Sat.
- Feb. 3, 1953 Morro Bay, Calif. in a 2-hour period this a.m. by Ralph Irler and I, a total of about 7,200 brant were counted.
- Apr. 18, 1954 Ft. Bragg-Westport, Mendocino Co. Calif. 4 north along coast

Branta bernicla hrota

Light-bellied Brant

Apr. 25, 1950, Humboldt Bay, Calif. Among the 1,000's of black brant were at least 7 that I feel certain were this species. They were seen in flight.

Observer Fred Ivenden, Jr.

White-fronted Goose

2035-2239-2434-2657

1326 111-148-192-460-516-578-595-599-747-848-957-984-992-1011-1031-1043-1068
1071-1081-1083-1103-1159-1160-1164-1296-1340-1365-1375-1411-1429-1448-1476-1527-1558-1580-1598-1617-1819-1988-2025

Anser albifrons albigularis

White goose - 1043-1071-1432?

Date Location and observations

May 6, 1948

Seen tra... north end of lake... 20-25 seen...

Apr. 3, 1947

Stewart Lake, Corvallis: ^{1st} a single one at the south end of the lake in company with a Cackling Goose. Both flew together to the north end of the lake. This peculiar association has been noted before at this lake.

Apr. 15, 1947

12-mile Swamp: ^{1st} We were surprised to see 15 of them, not at all shy, waddling and swimming around in the north half of the swamp. We later flushed them, and they flew to the south end.

Oct. 7, 1947

12-mile Swamp: ^{1st} - 15-20 seen at north end of lake... to. They circled over the swamp... a stubble field near the lake...

Sept. 25, 1948

Grey Lodge Refuge: 15-20 seen. Others heard. John says they just came in the other day.

Aug. 16, 1948

Gray Lodge Refuge: ^{1st} saw 5 seen, and John says they are the only ones that have been seen here in the last week... this week with the flocking of the geese.

Jan. 10, 1950

Wingfield Park, Reno, Nevada - One bird, evidently of this species with Canadas + Lesser Canadas on ice at edge of open water in Truckee R. - ? subspecies - or hybrid? John Dypulski took pic. Had gray back side of face + head, but otherwise looks like white-fronted or tule. - Quite large.

Chen rossii

Ross's Goose

Dec. 29, 1948, Grey Lodge Refuge, Butte Co., Calif. 230 p.m. a new life-lister
Saw a few, no evident grinning patch, and could be slightly smaller
than the Lesser Snow; also a lighter call, and flight wing-beat.

Feb. 4, 1953 *Marced W. M. A. Marced Co, Calif. Ralph Hales; Ralph Hales. Gene Crawford & I found a specimen
in excellent condition, but dead on the ranchlands of W. M. A.*

Dec. 11, 1955 - Grey Lodge Refuge, Calif. It is the only
(1 of 2) so mounted in the collection.

Observer Fred Evenden, Jr.

Number of field trips on which observed:

Lesser Snow Goose

Lesser Snow Goose 1299-1340-1365-1375-1379-1391-1393-1405-1411-1428-1429-1434-1440-1441-1451-1457-1459-1468-1475-1485-
0-1527-1550-1581-1575-1576-1580-1598-1611-1718-1737-1762a-1772-1819-1828-1862-1888-1900-1982-1990-2007-2024-2025-2029-
2051-2239-2242-2657-187-199-257-786-184-1030-1031-1242-1069-1071-1081-1083-1091-1153-1156-1187??

Chen hyperborea hyperborea

| Date | Location and observations |
|---------------|---|
| Oct. 10, 1942 | Laurelhurst Park, Portland. ^{OR} It lands on the water with its feet down and forward. They hit first and the wings are set, but as the feet hit, the wings are "back-watered". |
| Jan. 17, 1943 | 12-mile swamp south of Corvallis: ^{OR}
in with a flock of Canada Geese. (mainly visible over a half mile away). It tagged along behind a flock of Canadas and it was calling. Its call was not unlike that of the Canadas. It seemed to have a yellowish or brown on it, as the birds came close. Much like a tag. |
| Oct. 27, 1943 | Washougal, Washington, Partly cloudy and wind was strong. There were 50 Lesser Snow Geese, and they were flying wing-tip to wing-tip. The left flank went directly above us about 35' high. The Snow Geese winged steadily on up the river, against the strong wind, for they were evidently heading for the Eastern Oregon Flyway. Later there were 4 more that came up the river alone. |
| Dec. 16, 1947 | 12-mile swamp: ^{OR} (partly cloudy) (mostly over a half mile away). |
| Aug. 27, 1948 | Full moon, Calif. (mostly over a half mile away). |
| Dec. 10, 1949 | Sacramento, Calif - 7:45 p.m. Heard them calling + soon spotted 38 of them at about 800'-1000' elev. They were a very pinkish white at that altitude, reflecting the lights of the city - They really stood out + changes in formation readily seen. |
| Feb. 4, 1950 | Southside Park, Sacramento: ^{Calif} still one present, watched it probe down in the mud alongside a small clump of bent-grass until the roots were exposed, pull up the plant, take it to the pond, and cubble it in its bill until all the mud was washed off and the roots shown a clean white, then it swallowed the plant, entire. |

Blue Goose

Chen caerulescens

January 8, 1949, Gray Lodge Refuge, Butte Co., Calif: one adult seen in small open area in tule growth in the SW part of the refuge, with Lesser Snows. This goose is very rare in the valley.

Ardea herodias bicolor (helva)

- Aug. 2, 1949 Mendota Pool, Fresno Co. ^{Calif.} San Joaquin River: After looking in sandy and marsh areas all day, one finally got up in front of him at 11:30, and he asked me if that was a tree-duck since he had never seen one, and knew I was especially looking for them - it was - the white tail band showing plainly as it took off, and as it turned the rump was white as plain, and it uttered whistle-like notes in flight, and held its neck extra low when alighting about 75 ft. above the water. 3 more flushed from the same 10' circle of water in the lake. Then I clapped my hands to flush some more, but only still one came to more, and then a minute or two later, 3 more flushed from the same area as the first four tree-ducks had flushed. One flew a complete circle around us at a distance of about 150 yards, but the other 5 made only short flight. They appeared just slightly larger than mallards.
- Oct. 25, 1951 Mendota Pool, Fresno Co. Calif. 145-210 p.m. a total of 116 seen, ~~100~~ of which 18 were not yet half-grown. They were perched on muddy flat at water's edge and swimming in water. Mixed with shovellers - when flushed, the tree ducks and shovellers separated into their own flocks. The air was full of the tree duck's high-pitched calls.
- Oct. 22, 1952 Delta Mendota Canal 1 mi. from S end - Fresno Co. ^{Calif.} 5 on canal in open.

July 11, 1977, ...
 ... #4-67

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May 10, 1942

April 15, 1942

Apr. 2, 1942
May 1, 1942

May 6, 1942

Oct. 15, 1942 Corvallis, Ore. McFadden Pond. 7:30 to 8:30 a.m.

Male: Gizzard 16 c.c. volume of contents

| | |
|--|----------|
| Black Bindweed, <u>Polygonum Convolvulus</u> | 14 seeds |
| Wheat, <u>Triticum vulgare</u> | 3 seeds |
| Grit | 4.0 c.c. |
| Unknown | 0.3 c.c. |
| Wild Oats, <u>Avena fatua</u> | 6.0 c.c. |
| Oat awns and pulverized plant parts | 6.0 c.c. |

Craw 73 c.c. volume of contents

| | |
|--|-----------|
| Wheat, <u>Triticum vulgare</u> | 11.0 c.c. |
| Wild Oats, <u>Avena fatua</u> | 60.0 c.c. |
| Undetermined | 1 seed |
| Annual Cow Vetch, <u>Vicia villosa</u> | 2 seeds |
| Barley, <u>Hordeum vulgare</u> | 2 seeds |

Female: Gizzard had 14.8 c.c. volume of contents

| | |
|--|----------|
| Wheat, <u>Triticum vulgare</u> | 9.5 c.c. |
| Bur-reed, <u>Sparganium (eurycarpum)</u> | 0.3 c.c. |
| Grit and undetermined | 4.5 c.c. |
| Wild Oats, <u>Avena fatua</u> | 3 seeds |

Craw: 81 cc. volume of contents

| | |
|--|-----------|
| Wheat, <u>Triticum vulgare</u> | 78.0 c.c. |
| Wild Oats, <u>Avena fatua</u> | 0.5 c.c. |
| Annual Cow Vetch, <u>Vicia villosa</u> | 2 seeds |

- Feb. 11, 1947 12-mile Swamp, ^{0th} a rough estimate of approx. 600 on the swamp - equal sexes
- Feb. 18, 1947 12-mile Swamp ^{0th} pretty well paired up, and the first to take flight as we approached. There were between 200 & 250 of them today.
- April 8, 1947 12-mile swamp ^{0th} about 25 or 30 pairs scattered over the swamp. They seem to be mated up but we saw no sign of any having a nest at this time.
- May 20, 1947 12-mile Swamp: ^{0th} a few pair were seen, and also single hens. Tom and I saw one with young, and I found a recently vacated nest of dried rush stems, situated on the south side of a Spirea bush, at the base, in a solid stand of Carex.
- May 7, 1947, Over Little Muddy Creek, SE of Corvallis, ^{0th} 5 miles. Fred Heck reports a nest in an alder on the East side of the creek on a horizontal limb running west. Nest of grass remains of high water, 15 feet from trunk of the tree, and 12 feet above the creek. Shaded except part of the afternoon.
- June 5, 1947 Stewart Lake, ^{0th} 5 p.m. 1 pair present - the hen "flopped" all over the water, but I couldn't locate any nest, or young.
- June 17, 1947 12-mile Swamp ^{0th} flushed 3 different females and all acted as if they had nests, but no nests could be found in the vicinity from which they were flushed, and so it is presumed that young were around somewhere, though none were to be seen.
- August 8, 1947 Fern Ridge Dam ^{0th} several flushed, and in eclipse plumage, but no full crakes were seen.
- Feb. 15, 1948 12-mile Swamp: ^{0th} perhaps 400 all told - most in field at north end, and due to strong wind, others not on open water, but in shelter of ash and spirea brush on east side.
- Mar. 30, 1948 12-mile Swamp: ^{0th} seemed to be well distributed over all the swamp area. At least 350 pairs, as they were mostly paired up, and about equal distribution of sexes.
- April 13, 1948 - 12-mile Swamp: ^{0th} maybe 5 altogether, most paired up. One nest found that was already completed (2nd) - found an egg opened 1/3 of length, shell membrane still present, so perhaps it was predation. Another duck nest found completed, but with no sign of the birds around. Place of dried stems of Carex oregonensis, close to the N side of a large clump of it, with the "alley" to the north about 4 feet or so.
- April 21, 1948 - Old Creek, Linn Co. ^{0th} 2 miles E of Corvallis - nest in pile of dry grass left on some branches by high water. Nest about 15" over water on horizontal snag that has two connections to the north bank of the creek. Cavity about 8-9" in diameter, and about 2-3" deep. Quite a bit of small pieces of down lining and around the nest. The nest had been raided, probably by a coon (or skunk), and the empty eggs (6 or 7) were in a pile on the grass about a foot from the nest cavity. The eggs were a greenish-white, averaging 2 1/2" x 1 5/8" in size. They were all opened on the side, near one end, and a few at both ends. Claw tip marks could be seen inside the shell.
- May 1, 1948 Fern Ridge Reservoir: ^{0th} 1 p.m. a few, and found nest of 1 pair on slope of dike, just 4' below the road atop the dike. Surrounded by tall grasses and weeds. 12-eggs. Took pic.
- June 13, 1948. 12-mile Swamp: ^{0th} a couple of full males seen, and others not in full plumage. At least a half dozen females around, and Tom and I saw none having families. I flushed 3 different groups of young in various parts of the swamp, that I did not fly. These groups contained 7, 8, and 11 totals. Some hens tried to accompany me.
- June 17, 1948 Cottage Grove Reservoir: ^{0th} a flight of 10, also a pair with a small young, which we could not locate.

- July 8, 1948 12-mile Swamp: ^{One} pair of adults and about 10, but not yet in to lay.
- July 16, 1948 Fern Ridge Reservoir: ^{One} pair and 4 young, late nest on low island - very little down - 8 eggs, at base of rose bush in wet ground. Nest about 5" deep, and 7" across.
- July 27, 1948 West side Klamath Marshes: ^{One} pair with downy young seen.
- Sept. 25, 1948 Grey Lodge Refuge: not many seen in the a.m., but this p.m. I flushed 100's in waves as I did the pintails in the a.m. 2000 in area.
- Oct. 23, 1948 Grey Lodge Refuge: ^{One} 25-30,000 of them. Wave after wave would take off. Mixed with baldpates and pintails. Before they were flushed you could hear a continual hum over the refuge area like a huge swarm of bees, from the chattering of the ducks.
- Dec. 29, 1948 Gray Lodge Refuge, ^{One} 230 p.m. Over 1,000,000 ducks in the area, principally of this species, pintails, and baldpates.
- Jan. 8, 1949 Gray Lodge Refuge: Over 1,500,000 ducks in the area today, principally Mallards, Baldpates, and Pintails (1).
- Mar. 7, 1949 12-mile Swamp: ^{One} all paired and scattered throughout the swamp, including the flooded ash woods.
- April 23, 1949 Grey Lodge Refuge, Butte Co. ^{One} 130 p.m. 1 hen on nest of 8 eggs within 20 feet of passing cars on gravel county road leading into the refuge. Nest well-lined with down. No brush, or tall herbaceous vegetation near it.
- May 5, 1949 Gray Lodge Refuge: ^{One} The April 23 nest had hatched out. John Cowan told me only 3 successfully left the nest. There had been 8 eggs.
- July 31, 1949 Grass Lake, Calif. 17, 21 in female plumage.
- Aug. 16, 1949 Gray Lodge Refuge: ^{One} Jim B. Sircell says trapping has been north all the females at the early part of the month, but not getting equal numbers, of some are - molting.
- Sept. 1, 1949 Tule Lake, Calif. 1000's in area. Only to pintails in botanical hospital. Many more males than females. Males just beginning to gain back some of full plumage. Some teachers or green on their heads.
- Mar. 2, 1950 Bear Creek, Colusa Co. Calif. 3 pair seen - one pair flew upstream ahead of the car at 35 m.p.h.
- ~~Mar.~~
- Apr. 1, 1950. Southside Park, Sacramento, Calif. observed 2 hens on the park lake, with 10 and 13 3 or 4-day old chicks accompanying them.
- May 8, 1950 Stillwater Wildlife Mgmt Area, Nevada - seemed to be always a male and female together. Total of 12 pairs of this kind, plus 3 males and 4 unidentified. Total 31 mallards.
- July 6, 1950 Trinity R, S of Stringtown, Trinity Co. ^{One} 9 a.m. 1 ♀ in pool area, near marshy land along creek.
- Oct. 9, 1950, Wingfield Park, Reno Nevada - 1250 PST. 48M and 19F or immatures - I watched one pair "neck bobbing" while a second female or immature was swimming nearby. All 3 were just above the dam spill sill.
- April 27, 1951 Southside Park, Sacramento, Calif. 7 pairs of adults, some males in partial molt. 3 unattached F or imms. or /? males and 5 unattached males. 6 broods seen: 5 were 8"; 4, 3½"; 5, 3"; 1, 9"; 3, 6"; and 4, 7" in length.
- June 12, 1951 Silver State Gun Club, Churchill Co. Nevada : 1F w/ 10-2/3-grown young another with 8 1/3-grown young.
- Aug. 10, 1951 Southside Park, Sacramento, Calif: 33 mallards, no full males, but many males with gray of wings and body showing.
- Sept 7, 1951 Southside Park, Sacto. Calif. No full males, but all with M color patches. 17:15
- Jan. 9, 1952 - Southside Park, Sacto. Calif. 2 pr. neck-bobbing.
- June 5, 1952 - Carson Valley, Douglas Co. Nev. 20M, 8 ad. and 6 pr. Class III broods: 8 & 14
- July 23, 1952 - Huckleberry, McCloud, Siskiyou Co. Calif. 9 full males on pool in meadow along creek in yellow-pine woodland area.
- Oct. 9, 1952 - Lake Washington, Yolo Co. Calif. observed 2 M's neck-bobbing w/ female.

Nov. 7, 1952, Southside Park, Sacto, Calif: M's and F's grouped as follows: 1&2, 1 & 1, 2& 5, 2 & 2, 4 & 7, 2& 2, - total - 31.

June 27, 1954, Pope Beach Lake Tahoe Calif. 5 pairs seen. Nest without adult near at 4 p.m. but hen on at 6 p.m. Nest about 10-12' dia. in pine woods, surrounded by young lodgepole pines. 2 eggs and 11 young in nest. Eggs found on May 30 by mounters.

May 16, 1955 Pope Beach, Lake Tahoe, Calif. 3F, 1 pair, and 1 hen alone - 2 hatched nest with 12 eggs in pine clump about 3' high.

May 20, 1955, Pope Beach, Lake Tahoe, Calif. 1 hen and 1 pair with 12 eggs.

July 9, 1955 Wright's Lake, 7000' el. El Dorado Co. Calif. 2 and 4 Glassy Terns.

Aug. 11, 1955 - Pope Beach, Lake Tahoe, 1 pair, 1 egg. 2 eggs in nest. Flying about. So close to nest that they were seen to enter.

May 17, 1958, Pope Beach, Lake Tahoe, Calif. 25-30 pair, 10 eggs on May 17 and 11 on May 18 in dense lodgepole pine woods, without any surrounding cover on bare ground. Nearest clearing 45 and 60 feet away. (Lodgepole pines)

May 30, 1958 - 8 pair seen, nests with 11 pale blue-green eggs under pines. Eggs in willow thicket of sticks and twigs with buff-sandy-tan eggs, and 4 green-colored eggs in nest of Cairns in dense stand of lodgepole pines.

June 7, 1959, Yolo Bypass, Yolo Co. Calif. 1F with nine 2/3 grown young.

June 14, 1969 - Coalport, W Va. Ad of downy young. Ad w/ 1/2 - 2 grown young.

1847

New Mexican Duck
Anas diazi novimexicana

Feb. 20, 1951 Acala to McNary, Hudspeth Co. Texas. 12 on small reservoir with other ducks

Anas rubripes

Black Duck

Feb. 21, 1953 Aransas Refuge, Texas. Finally got to see my first black ducks - while they may be hard to pin down on the water, once they take to the air, the light under-wings are a dead giveaway. There were also mottled ducks there.

2242-

Anas fulvigula

Mottled Duck

Observer Fred L. Lunden, Jr.

Caution

[illegible]

Chauliognathus streperus

Location and observations

March 5, 1948 4 miles east of Corvallis ^{Or} --- 1000 ft

Oct. 5, 1943 South Tacoma Swamp, Tacoma Washington

One male flew in front of me while I was watching the G-w. Teal. The gray-speckled breast and light abdomen showed up plainly.

Nov. 17, 1943 Walla Walla, Wash. 3-5 p.m. - a pair of Gadwalls with the mallards + Baldpates.
Black under tail coverts, white wing patch in flight. White belly. Chest + sides appeared grayish.
Head has two brown shades to it. Took off directly into the air.

Dec. 3, 1943 Wallula, Wash. - along Columbia R., ¹⁰ - saw 4 of them.

May 12, 1950, Stillwater Wildlife Mngmt Area, Churchill Co. Nevada: flushed gadwall hen from nest in solid stand of ungrazed saltgrass. 10 eggs. LBM.

Observer Ired Evenden, Jr.

Balapate

Mareca americana

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Mareca penelope
European Widgeon

- Feb. 26, 1949 Toledo, Lincoln Co, Oregon (DBM) One bright colored male in with flock of about 50 baldpates west of Toledo. Brick red head showed up well. Was along marshy stream bottom with flooded fields and green grass bank. This bird, which McAllister spotted, was under our observation for about 15 min.
- Nov. 22, 1949 Gray Lodge Refuge, Butte Co. Calif. new-life-lister! Saw three of them today, in with the many flocks of baldpates on the open waters of the refuge. The first I have seen in the open. The orange-tinged crown and brownish wash to the head were distinctive. There may have been others on the refuge, but it would be purely accidental if they were seen. These 3 I saw were all within a 50-foot radius of each other, among the baldpates.

12/21/49 - E. L. McAllister

Feb. 1, 1949 Long Tom R., 3 mi. N of Monroe, Benton Co. (TH A) - the most abundant dabblers in this unusual concentration. 3 pintails to 2 mallards. Between the bridge at this point, for 3 miles up the river (south) to Monroe, the river was a mass of ducks. This concentration began just south of the bridge and consisted entirely of dabblers - mallards, pintails, and a few scattered, green-winged teal. At this point where the river bends just south of the bridge, I counted 2,000 birds by comparative groups of 50. 10,000 birds would be a conservative estimate for the entire concentration, as I only covered a small portion of the river south of the bridge.

The bridge marks a definite point of change in the river. South of the bridge, where the dabblers concentrated, the river suddenly becomes shallow and narrow with many mud banks and bars extending into the river. North of the bridge it was deep and wide with abrupt banks. This point was borne out interestingly enough by the duck distribution, for all the diving ducks, mergansers, and wood ducks were found north of the bridge. The pied-billed grebe, white-fronted goose, and a few dabblers were also found on the north side.

July 31, 1949 Grass Lake, Calif - all in female plumage.

Sept. 1, 1949. Tulare Lake, Calif. 1000's in the area. Most on bottom in patient. Probably 75% in adult plumage but some in juvenile.

Sept. 24, 1949 Vallejo Estuary, approx. to Suisun Bay, Suisun Bay, Calif. 1000's. 50 mixed birds, 1000's of full males, 1000's of full females, and 500's of immatures, all in full plumage.

October 5, 1949 South of Yachats, Lincoln Co. Oregon. 8 of them on pools of rocky coast in tidewaters. On pools of salt water on sand beaches, and rocky headlands, too!

June 9, 1950 Putah Sinks, Yolo Bypass, Yolo Co. ^{Calif} 3 p.m. about 25 seen in one bunch, and 9 more in another. 1 F with 7 young

Oct. 16, 1952 Southside Park, Sacto. Calif. 1 ~~male~~ female. Plumage just turning for last time it was almost all F plumage. Back graying at base of neck and black and white under rump turning.

Apr. 9, 1958 - Pair on pond near Plymouth, Amador Co. Calif.

Oct. 10, 1959, Bay Farm Island and Oakport Road, Alameda Co. Calif. 150-200 pintails, seen, but only a few full-plumaged males among them.

Feb 8, 1960 - 100's over Los Angeles Harbor South of Los Angeles.

Feb. 6, 1954 - Stow Lake, Golden Gate Park, San Francisco, Calif. 5 p.m. The bird presumed to be a Falcated Teal was feeding on the grass adjacent to Stow Lake with about 35 or 50 Baldpates. It is assumed to be a male. When walked towards, it moved away the fastest, entered the water first, and swam the farthest away, but came back ashore with baldpates as soon as we reentered the car. When flushed rapidly, it flew perfectly well to the middle of the lake area, along with the other ducks. Speculum not noted. About baldpate-size, with generally grayish appearance of back and wings. Rear flank, and under tail somewhat like a Green-winged Teal male, with light rich buffy tones, bordered by black. Chest distinctly speckled with unique pattern. Brownish-gray on lighter base. The head, usually pulled in with neck extended only when feeding. Sides of head an irridescent green, including the very long plumes at the back, which usually rested upon the back of the bird. Gave head an odd shape. Never saw the crest erected. In addition to the green on sides, a plain white spot at top base of bill, with ruddy forehead and top of head. Throat and upper chest, and part of neck sides white, with heavy black band across white.

Observer Fred Ivenden, Jr.

Green-winged Teal

Number of field tags

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Acttion carolinensis

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Green-winged Teal

page 2

Nettion carolinense

| Date | Location and observations |
|---------------|---|
| Nov. 1, 1942 | Summer Lake, Lake Co., Oregon shot in the a.m.
Female: Gizzard contents 1 c.c.
<u>Scirpus cernuus</u> Vahl
<u>Carex Alberta</u> -- Columbia seage
<u>Scirpus</u> sp |
| Jan. 17, 1943 | 12-swamp south of Corvallis. ^{Or}
Boy! This was really something to talk about, yes sir!
I would say we saw well over 1000 of these teal in one
almost solid flock circling and dipping and squawking as
they flew overhead. When they were near the us they
silent air sounded like a miniature gale. |
| Oct. 5, 1943 | South Tacoma Swamp, Tacoma Wash.
Watched 5 or 6 of these teal feeding on duckweed colonies.
They would put their bill horizontal and open and close it
as they moved forward into the patch of duckweed. True dabbling. |
| Feb. 4, 1947 | 12-mile Swamp, ^{Or} between 200 and 300 were seen in the grass and shallow
water at the north end of the swamp. There has been a decided reduction
in the number of this species the past couple of weeks. |
| Dec. 7, 1947 | 12-mile Swamp, ^{Or} there must have been a total of 4500-5000 of them at the
swamp today, and what a thrilling sight it was to watch them wheel and turn
in unison. One flock picked up some male Shovellers, and after a few banks,
the Shovellers ended up at the head of the line, and they retained that
position for some time! It was indeed a wonderful thing to watch, and it
is too bad that it all couldn't be seen at the same moment. |
| Feb. 14, 1948 | 12-mile Swamp, ^{Or} probably 4000 or more all together. During the morning
a marsh hawk female kept them in the air for some time, as it kept making
passes at them. The passes were lazy-like and the hawk appeared to be
playing with the teal. |
| Sept. 1, 1948 | Tule L. Calif. 1st. most common patient in for it. not to be confused
and pintails. |
| Oct. 16, 1952 | Southside Park, Sacto. Calif. 1 male with full-colored speculum, but
still in F plumage. |
| Nov. 7, 1952 | Southside Park ^{Calif} male getting full plumage now. |

Observer Fred Ivenden, Jr.

Blue-winged Teal

Number of birds banded in 1947:

100-147-167-209-481-4903-~~500~~ 621-688-690-697-709-710-718-741-743-877-880a-887?
898?-1239-1284-1304-1305or-1307-1309-1314or-1315or-1853-2110-2119-2479-

Querquedula discors

Date | Location and observations

- March 5, 1947. east of Corvallis ^{on} 1 Green
flushed a flock of 16 blue-winged teal from a lake in the
vicinity. They came within the range of the observer.
Males had their bluish and white plumage.
- Jan. 14, 1947 12-mile Swamp. ^{on} 2 F and 1 M. this small group of 3 flew by at 50 yards,
and from all appearances, the one male could be nothing else. It is
questionable, inasmuch as this is out of season for any migrants.
- Jan. 29, 1947, 12-mile Swamp. took off from the center of the swamp, and went into the
south end of the swamp, as they did Jan. 14th.
- May 13, 1947 12-mile Swamp. Tom found a female and two 5 or 6 day old young swimming in
shallow water among Eleocharis at the south end of the swamp, in an area
where we had not visited before. He "talked" to them as she flew, and
they evidently "disappeared", for we did not find them later. Later Tom
and Doc Gordon saw the male bird, and still later, we all got to see it
when it took off from this same vicinity with 3 or 4 Mallards. This is
a doggone good record, and will be hard to make some of the Piro-boys believe
- August 8, 1947 Fern Ridge Cam. ^{on} "Blue-winged Teal" spp?? or either there too. 3 were
observed resting and preening near the Lima road, all in the obscure
plumage, although the wing-patches showed as well, no other color differ-
entiation could be made.
- Aug. 13, 1947 12-mile Swamp. ^{on} flushed a young, of non-descript plumage, and then 10 feet
away, I flushed the 3 adults in eclipse plumage. The birds are getting
quite colorful, and one bird had the check patch beginning to develop so
this verifies last week's.
- Sept. 2, 1947 12-mile Swamp. Oregon: 12 birds banded north of Corvallis.
color almost white, inside of the wing mostly white, with a few
cinnamon teals.

Observer Fred Evenden, Jr.

Number of field trip on which observed:

Cinnamon Teal

Querquedula cyanoptera

Date _____

Location and Observations

On May 23, 1942, a group of students from the Field Zoology class at Oregon State College had an opportunity to observe a male cinnamon teal (*Querquedula cyanoptera*) in full breeding plumage, while on a field trip to a swamp some twelve miles south of Corvallis.

The bird was observed at a distance of 25 feet for several minutes. It was the first cinnamon teal most of us had ever seen, and it was certainly a sight to remember. It seemed rather tame, and when I approached, it flew just a short distance and settled down into the reeds again.

The cinnamon teal in the Willamette Valley seems to be a rare occurrence.

May 28, 1944 Caldwell, west and east to Boise, Idaho.
Saw female on nest and male was close by.

Mar. 20, 1947 Colo. R. Indian Res., south of Parker, Ariz: over 50 M and F present. Males are strikingly colored.

April 8, 1947 12-mile Swamp, Corvallis: ^{Or} one male was seen for sure, and McCallister believes he may have seen another one as well. We all had satisfactory chances to study it.

Apr. 22, 1947 12-mile Swamp, Corvallis: ^{Or} again we saw a beautiful male, perhaps the same one, and it seemed to be alone, for when flying, or feeding, it was always by itself.

Sept. 8, 1948 Sacramento Refuge: perhaps a total of 750 or so seen over the area. Few full males, many molting. About equal M & F.

Sept. 25, 1948 Grey Lodge Refuge: ^{Calif.} still many present. Must have seen over 750 today. Many males in full plumage.

July 31, 1949 Grass Lake, Calif. - all in female plumage.

Aug. 2, 1949 Mendota Pool, Calif. all in female plumage.

Sept. 1, 1949 Tule L. Calif. ^{Calif.} not quite as many as in late August - 1000 or so.

Dec. 29, 1950 Gray Lodge: ^{Calif.} some males in full plumage.

June 12, 1951 SWMA, Fallon, Churchill Co. Nevada: females with 4 and 6 young.

March 11, 1952 Mendota Pool, Fresno Co, Calif. 1 pair - 9M + 5F on small pond. Much male looking by both P + G.

May 1, 1952 Gray Lodge Refuge, Butte Co. Calif. many pairs, w/ extra males in full plumage, common.

June 4, 1952 SWMA, Lead Lake-Milan Units, Churchill Co. Nevada: common, many adult males alone on "pastures" - young broods too. Males perched on old muddied muskrat feeding platforms in old Typha & Scirpus areas at edge of HOH.

Apr. 4-1955 Mt. Joe, Pacific Grove, Calif. watched at least 7 birds in courtship activities.

Feb. 15, 1959 Bruceville Rd, N of Elk Grove Rd. ^{full} 8M + 2 F in on slough near cattails.

Observer Ired Evenden, Jr.

Shoveller

Number of field trips or field observations:

78-84-147-192-194-199-210-212-252-257-293-298-316-337-384-386-429-
461-467-481-486-487-493-497-501-503-507-509-511-514-518-520-525-527-531-535-537-541-543-545-547-549-551-553-555-557-559-561-563-565-567-569-571-573-575-577-579-581-583-585-587-589-591-593-595-597-599-601-603-605-607-609-611-613-615-617-619-621-623-625-627-629-631-633-635-637-639-641-643-645-647-649-651-653-655-657-659-661-663-665-667-669-671-673-675-677-679-681-683-685-687-689-691-693-695-697-699-701-703-705-707-709-711-713-715-717-719-721-723-725-727-729-731-733-735-737-739-741-743-745-747-749-751-753-755-757-759-761-763-765-767-769-771-773-775-777-779-781-783-785-787-789-791-793-795-797-799-801-803-805-807-809-811-813-815-817-819-821-823-825-827-829-831-833-835-837-839-841-843-845-847-849-851-853-855-857-859-861-863-865-867-869-871-873-875-877-879-881-883-885-887-889-891-893-895-897-899-901-903-905-907-909-911-913-915-917-919-921-923-925-927-929-931-933-935-937-939-941-943-945-947-949-951-953-955-957-959-961-963-965-967-969-971-973-975-977-979-981-983-985-987-989-991-993-995-997-999-1001-1003-1005-1007-1009-1011-1013-1015-1017-1019-1021-1023-1025-1027-1029-1031-1033-1035-1037-1039-1041-1043-1045-1047-1049-1051-1053-1055-1057-1059-1061-1063-1065-1067-1069-1071-1073-1075-1077-1079-1081-1083-1085-1087-1089-1091-1093-1095-1097-1099-1101-1103-1105-1107-1109-1111-1113-1115-1117-1119-1121-1123-1125-1127-1129-1131-1133-1135-1137-1139-1141-1143-1145-1147-1149-1151-1153-1155-1157-1159-1161-1163-1165-1167-1169-1171-1173-1175-1177-1179-1181-1183-1185-1187-1189-1191-1193-1195-1197-1199-1201-1203-1205-1207-1209-1211-1213-1215-1217-1219-1221-1223-1225-1227-1229-1231-1233-1235-1237-1239-1241-1243-1245-1247-1249-1251-1253-1255-1257-1259-1261-1263-1265-1267-1269-1271-1273-1275-1277-1279-1281-1283-1285-1287-1289-1291-1293-1295-1297-1299-1301-1303-1305-1307-1309-1311-1313-1315-1317-1319-1321-1323-1325-1327-1329-1331-1333-1335-1337-1339-1341-1343-1345-1347-1349-1351-1353-1355-1357-1359-1361-1363-1365-1367-1369-1371-1373-1375-1377-1379-1381-1383-1385-1387-1389-1391-1393-1395-1397-1399-1401-1403-1405-1407-1409-1411-1413-1415-1417-1419-1421-1423-1425-1427-1429-1431-1433-1435-1437-1439-1441-1443-1445-1447-1449-1451-1453-1455-1457-1459-1461-1463-1465-1467-1469-1471-1473-1475-1477-1479-1481-1483-1485-1487-1489-1491-1493-1495-1497-1499-1501-1503-1505-1507-1509-1511-1513-1515-1517-1519-1521-1523-1525-1527-1529-1531-1533-1535-1537-1539-1541-1543-1545-1547-1549-1551-1553-1555-1557-1559-1561-1563-1565-1567-1569-1571-1573-1575-1577-1579-1581-1583-1585-1587-1589-1591-1593-1595-1597-1599-1601-1603-1605-1607-1609-1611-1613-1615-1617-1619-1621-1623-1625-1627-1629-1631-1633-1635-1637-1639-1641-1643-1645-1647-1649-1651-1653-1655-1657-1659-1661-1663-1665-1667-1669-1671-1673-1675-1677-1679-1681-1683-1685-1687-1689-1691-1693-1695-1697-1699-1701-1703-1705-1707-1709-1711-1713-1715-1717-1719-1721-1723-1725-1727-1729-1731-1733-1735-1737-1739-1741-1743-1745-1747-1749-1751-1753-1755-1757-1759-1761-1763-1765-1767-1769-1771-1773-1775-1777-1779-1781-1783-1785-1787-1789-1791-1793-1795-1797-1799-1801-1803-1805-1807-1809-1811-1813-1815-1817-1819-1821-1823-1825-1827-1829-1831-1833-1835-1837-1839-1841-1843-1845-1847-1849-1851-1853-1855-1857-1859-1861-1863-1865-1867-1869-1871-1873-1875-1877-1879-1881-1883-1885-1887-1889-1891-1893-1895-1897-1899-1901-1903-1905-1907-1909-1911-1913-1915-1917-1919-1921-1923-1925-1927-1929-1931-1933-1935-1937-1939-1941-1943-1945-1947-1949-1951-1953-1955-1957-1959-1961-1963-1965-1967-1969-1971-1973-1975-1977-1979-1981-1983-1985-1987-1989-1991-1993-1995-1997-1999-2001-2003-2005-2007-2009-2011-2013-2015-2017-2019-2021-2023-2025-2027-2029-2031-2033-2035-2037-2039-2041-2043-2045-2047-2049-2051-2053-2055-2057-2059-2061-2063-2065-2067-2069-2071-2073-2075-2077-2079-2081-2083-2085-2087-2089-2091-2093-2095-2097-2099-2101-2103-2105-2107-2109-2111-2113-2115-2117-2119-2121-2123-2125-2127-2129-2131-2133-2135-2137-2139-2141-2143-2145-2147-2149-2151-2153-2155-2157-2159-2161-2163-2165-2167-2169-2171-2173-2175-2177-2179-2181-2183-2185-2187-2189-2191-2193-2195-2197-2199-2201-2203-2205-2207-2209-2211-2213-2215-2217-2219-2221-2223-2225-2227-2229-2231-2233-2235-2237-2239-2241-2243-2245-2247-2249-2251-2253-2255-2257-2259-2261-2263-2265-2267-2269-2271-2273-2275-2277-2279-2281-2283-2285-2287-2289-2291-2293-2295-2297-2299-2301-2303-2305-2307-2309-2311-2313-2315-2317-2319-2321-2323-2325-2327-2329-2331-2333-2335-2337-2339-2341-2343-2345-2347-2349-2351-2353-2355-2357-2359-2361-2363-2365-2367-2369-2371-2373-2375-2377-2379-2381-2383-2385-2387-2389-2391-2393-2395-2397-2399-2401-2403-2405-2407-2409-2411-2413-2415-2417-2419-2421-2423-2425-2427-2429-2431-2433-2435-2437-2439-2441-2443-2445-2447-2449-2451-2453-2455-2457-2459-2461-2463-2465-2467-2469-2471-2473-2475-2477-2479-2481-2483-2485-2487-2489-2491-2493-2495-2497-2499-2501-2503-2505-2507-2509-2511-2513-2515-2517-2519-2521-2523-2525-2527-2529-2531-2533-2535-2537-2539-2541-2543-2545-2547-2549-2551-2553-2555-2557-2559-2561-2563-2565-2567-2569-2571-2573-2575-2577-2579-2581-2583-2585-2587-2589-2591-2593-2595-2597-2599-2601-2603-2605-2607-2609-2611-2613-2615-2617-2619-2621-2623-2625-2627-2629-2631-2633-2635-2637-2639-2641-2643-2645-2647-2649-2651-2653-2655-2657-2659-2661-2663-2665-2667-2669-2671-2673-2675-2677-2679-2681-2683-2685-2687-2689-2691-2693-2695-2697-2699-2701-2703-2705-2707-2709-2711-2713-2715-2717-2719-2721-2723-2725-2727-2729-2731-2733-2735-2737-2739-2741-2743-2745-2747-2749-2751-2753-2755-2757-2759-2761-2763-2765-2767-2769-2771-2773-2775-2777-2779-2781-2783-2785-2787-2789-2791-2793-2795-2797-2799-2801-2803-2805-2807-2809-2811-2813-2815-2817-2819-2821-2823-2825-2827-2829-2831-2833-2835-2837-2839-2841-2843-2845-2847-2849-2851-2853-2855-2857-2859-2861-2863-2865-2867-2869-2871-2873-2875-2877-2879-2881-2883-2885-2887-2889-2891-2893-2895-2897-2899-2901-2903-2905-2907-2909-2911-2913-2915-2917-2919-2921-2923-2925-2927-2929-2931-2933-2935-2937-2939-2941-2943-2945-2947-2949-2951-2953-2955-2957-2959-2961-2963-2965-2967-2969-2971-2973-2975-2977-2979-2981-2983-2985-2987-2989-2991-2993-2995-2997-2999-3001-3003-3005-3007-3009-3011-3013-3015-3017-3019-3021-3023-3025-3027-3029-3031-3033-3035-3037-3039-3041-3043-3045-3047-3049-3051-3053-3055-3057-3059-3061-3063-3065-3067-3069-3071-3073-3075-3077-3079-3081-3083-3085-3087-3089-3091-3093-3095-3097-3099-3101-3103-3105-3107-3109-3111-3113-3115-3117-3119-3121-3123-3125-3127-3129-3131-3133-3135-3137-3139-3141-3143-3145-3147-3149-3151-3153-3155-3157-3159-3161-3163-3165-3167-3169-3171-3173-3175-3177-3179-3181-3183-3185-3187-3189-3191-3193-3195-3197-3199-3201-3203-3205-3207-3209-3211-3213-3215-3217-3219-3221-3223-3225-3227-3229-3231-3233-3235-3237-3239-3241-3243-3245-3247-3249-3251-3253-3255-3257-3259-3261-3263-3265-3267-3269-3271-3273-3275-3277-3279-3281-3283-3285-3287-3289-3291-3293-3295-3297-3299-3301-3303-3305-3307-3309-3311-3313-3315-3317-3319-3321-3323-3325-3327-3329-3331-3333-3335-3337-3339-3341-3343-3345-3347-3349-3351-3353-3355-3357-3359-3361-3363-3365-3367-3369-3371-3373-3375-3377-3379-3381-3383-3385-3387-3389-3391-3393-3395-3397-3399-3401-3403-3405-3407-3409-3411-3413-3415-3417-3419-3421-3423-3425-3427-3429-3431-3433-3435-3437-3439-3441-3443-3445-3447-3449-3451-3453-3455-3457-3459-3461-3463-3465-3467-3469-3471-3473-3475-3477-3479-3481-3483-3485-3487-3489-3491-3493-3495-3497-3499-3501-3503-3505-3507-3509-3511-3513-3515-3517-3519-3521-3523-3525-3527-3529-3531-3533-3535-3537-3539-3541-3543-3545-3547-3549-3551-3553-3555-3557-3559-3561-3563-3565-3567-3569-3571-3573-3575-3577-3579-3581-3583-3585-3587-3589-3591-3593-3595-3597-3599-3601-3603-3605-3607-3609-3611-3613-3615-3617-3619-3621-3623-3625-3627-3629-3631-3633-3635-3637-3639-3641-3643-3645-3647-3649-3651-3653-3655-3657-3659-3661-3663-3665-3667-3669-3671-3673-3675-3677-3679-3681-3683-3685-3687-3689-3691-3693-3695-3697-3699-3701-3703-3705-3707-3709-3711-3713-3715-3717-3719-3721-3723-3725-3727-3729-3731-3733-3735-3737-3739-3741-3743-3745-3747-3749-3751-3753-3755-3757-3759-3761-3763-3765-3767-3769-3771-3773-3775-3777-3779-3781-3783-3785-3787-3789-3791-3793-3795-3797-3799-3801-3803-3805-3807-3809-3811-3813-3815-3817-3819-3821-3823-3825-3827-3829-3831-3833-3835-3837-3839-3841-3843-3845-3847-3849-3851-3853-3855-3857-3859-3861-3863-3865-3867-3869-3871-3873-3875-3877-3879-3881-3883-3885-3887-3889-3891-3893-3895-3897-3899-3901-3903-3905-3907-3909-3911-3913-3915-3917-3919-3921-3923-3925-3927-3929-3931-3933-3935-3937-3939-3941-3943-3945-3947-3949-3951-3953-3955-3957-3959-3961-3963-3965-3967-3969-3971-3973-3975-3977-3979-3981-3983-3985-3987-3989-3991-3993-3995-3997-3999-4001-4003-4005-4007-4009-4011-4013-4015-4017-4019-4021-4023-4025-4027-4029-4031-4033-4035-4037-4039-4041-4043-4045-4047-4049-4051-4053-4055-4057-4059-4061-4063-4065-4067-4069-4071-4073-4075-4077-4079-4081-4083-4085-4087-4089-4091-4093-4095-4097-4099-4101-4103-4105-4107-4109-4111-4113-4115-4117-4119-4121-4123-4125-4127-4129-4131-4133-4135-4137-4139-4141-4143-4145-4147-4149-4151-4153-4155-4157-4159-4161-4163-4165-4167-4169-4171-4173-4175-4177-4179-4181-4183-4185-4187-4189-4191-4193-4195-4197-4199-4201-4203-4205-4207-4209-4211-4213-4215-4217-4219-4221-4223-4225-4227-4229-4231-4233-4235-4237-4239-4241-4243-4245-4247-4249-4251-4253-4255-4257-4259-4261-4263-4265-4267-4269-4271-4273-4275-4277-4279-4281-4283-4285-4287-4289-4291-4293-4295-4297-4299-4301-4303-4305-4307-4309-4311-4313-4315-4317-4319-4321-4323-4325-4327-4329-4331-4333-4335-4337-4339-4341-4343-4345-4347-4349-4351-4353-4355-4357-4359-4361-4363-4365-4367-4369-4371-4373-4375-4377-4379-4381-4383-4385-4387-4389-4391-4393-4395-4397-4399-4401-4403-4405-4407-4409-4411-4413-4415-4417-4419-4421-4423-4425-4427-4429-4431-4433-4435-4437-4439-4441-4443-4445-4447-4449-4451-4453-4455-4457-4459-4461-4463-4465-4467-4469-4471-4473-4475-4477-4479-4481-4483-4485-4487-4489-4491-4493-4495-4497-4499-4501-4503-4505-4507-4509-4511-4513-4515-4517-4519-4521-4523-4525-4527-4529-4531-4533-4535-4537-4539-4541-4543-4545-4547-4549-4551-4553-4555-4557-4559-4561-4563-4565-4567-4569-4571-4573-4575-4577-4579-4581-4583-4585-4587-4589-4591-4593-4595-4597-4599-4601-4603-4605-4607-4609-4611-4613-4615-4617-4619-4621-4623-4625-4627-4629-4631-4633-4635-4637-4639-4641-4643-4645-4647-4649-4651-4653-4655-4657-4659-4661-4663-4665-4667-4669-4671-4673-4675-4677-4679-4681-4683-4685-4687-4689-4691-4693-4695-4697-4699-4701-4703-4705-4707-4709-4711-4713-4715-4717-4719-4721-4723-4725-4727-4729-4731-4733-4735-4737-4739-4741-4743-4745-4747-4749-4751-4753-4755-4757-4759-4761-4763-4765-4767-4769-4771-4773-4775-4777-4779-4781-4783-4785-4787-4789-4791-4793-4795-4797-4799-4801-4803-4805-4807-4809-4811-4813-4815-4817-4819-4821-4823-4825-4827-4829-4831-4833-4835-4837-4839-4841-4843-4845-4847-4849-4851-4853-4855-4857-4859-4861-4863-4865-4867-4869-4871-4873-4875-4877-4879-4881-4883-4885-4887-4889-4891-4893-4895-4897-4899-4901-4903-4905-4907-4909-4911-4913-4915-4917-4919-4921-4923-4925-4927-4929-4931-4933-4935-4937-4939-4941-4943-4945-4947-4949-4951-4953-4955-4957-4959-4961-4963-4965-4967-4969-4971-4973-4975-4977-4979-4981-4983-4985-4987-4989-4991-4993-4995-4997-4999-5001-5003-5005-5007-5009-5011-5013-5015-5017-5019-5021-5023-5025-5027-5029-5031-5033-5035-5037-5039-5041-5043-5045-5047-5049-5051-5053-5055-5057-5059-5061-5063-5065-5067-5069-5071-5073-5075-5077-5079-5081-5083-5085-5087-5089-5091-5093-5095-5097-5099-5101-5103-5105-5107-5109-5111-5113-5115-5117-5119-5121-5123-5125-5127-5129-5131-5133-5135-5137-5139-5141-5143-5145-5147-5149-5151-5153-5155-5157-5159-5161-5163-5165-5167-5169-5171-5173-5175-5177-5179-5181-5183-5185-5187-5189-5191-5193-5195-5197-5199-5201-5203-5205-5207-5209-5211-5213-5215-5217-5219-5221-5223-5225-5227-5229-5231-5233-5235-5237-5239-5241-5243-5245-5247-5249-5251-5253-5255-5257-5259-5261-5263-5265-5267-5269-5271-5273-5275-5277-5279-5281-5283-5285-5287-5289-5291-5293-5295-5297-5299-5301-5303-5305-5307-5309-5311-5313-5315-5317-5319-5321-5323-5325-5327-5329-5331-5333-5335-5337-5339-5341-5343-5345-5347-5349-5351-5353-5355-5357-5359-5361-5363-5365-5367-5369-5371-5373-5375-5377-5379-5381-5383-5385-5387-5389-5391-5393-5395-5397-5399-5401-5403-5405-5407-5409-5411-5413-5415-5417-5419-5421-5423-5425-5427-5429-5431-5433-5435-5437-5439-5441-5443-5445-5447-5449-5451-5453-5455-5457-5459-5461-5463-5465-5467-5469-5471-5

Observer Fred Evenden, Jr.

Wood Luck

Air sponga

Location and observations

Number of field trips on which observed
7-14-64-68-74-75-77-101-121-124-130-138-142-143-145-150-152-156-183-184-189-203-209-218-
219-227-260-261-264-265-207-269-270-273-279-282-283-284-285-287-290-370-378-398-
406-407-410-411-415-431-429-433-453-457-505-580-583-589-604-613-614-616-620-621-627-630-638-
639-645-646-654-659-676-677-681-688-689a-690-692-695-696-697-704-709-717-727-732-743-750-754-758-783-796-
821-824-836-846-848-850-861-870-873-874-880-880a-887-889-890-891-893-894-895-897-901a-930-957-970-979-1032-1043-
1068a-1102a-1142-1156-1159-1173-1184-1185-1186-1187-1246-1260-1343-1349-1365-1375-1377-1378-1417-1419a-1442-1443-1478-1490-1499-1501-1515-1528-
1524-1525-1592-1605-1620-1718-1766-1779-1841-1964-2035-2077-2094-2299-2310-2335-2340-2436-2447-2453-2512

Oct. 17, 1942 Corvallis, Ore. Mary's River 2 miles south. 3.p.m

Male, mature: Gizzard has $7\frac{1}{2}$ c.c. total volume of grit
and highly broken up plant material.
It was partially empty.

At the junction of the bronchi into the trachea was a
hollow, stiff, transparent growth about $\frac{3}{4}$ "
in diameter that had the consistency of a ping-
pong ball. At least that is what it reminded me of.

Feb. 19, 1943 Corvallis, Brook Lane ^{Or.} - Foggy 9 a.m.
Saw one band of 15-20 of them on a slough of the
Mary's River.

3-23-43 H. willow tree, St & Mt. Ave.
1 pr. & one very large flock of 8's.

Nov. 20, 1943 Walla Walla, Washington 3-5 p.m. & slightly smaller than a Baldpate. Head dark
brownish gray, with white eye patch, pointed to the rear. Wing tips white, & white bar
near back of folded wing. Head crested, pointed downward. Short, steep-sloped bill. High
forehead. Broad tail, mint. Breast brown. Sides russet brown & belly white.

Mar. 15, 1944 Pudding R., Woodburn, Oregon concentrations of 20-30 were found in a
pond of backwater in the deep woods along the river.

July 1, 1946 Stewart Lake, Corvallis. ^{Or.} Saw two pair of them. One pair had a young
that can't fly yet, but they get up and run well on the water.

July 4, 1946 "Poison Oak" Lake, Linn Co. ^{Or.} Pair with family of 11 young. can't fly.

July 13, 1946 - Hazelaure lake, Salem ^{Or.} Adults and young were seen this a.m.

July 18, 1946 - "Poison Oak" L., Linn Co. ^{Or.} Watched one oblong in the water
later near where I sat. It would leap up and pull up a small
Soft Mana-grass heads.

April 24, 1947 "Poison Oak Lake" Linn Co. ^{Or.} watched a pair. female swimming and leading the
M and giving continuous notes; while M preened, F flew up into an Ash by the
water's edge, and about 10 feet high. Stayed a while, dropped back to the
water and proceeded on around the lake, with the M following, both just
looking, not feeding. All the while he was pushing his head way forward and
pulling it way back, as if doing some phase of a courting. They'd whistle to
each other every so often. They worked $\frac{1}{2}$ way around one side of the lake, and
another pair swam out and headed directly for them from the other side. As the
2nd pair approached the 1st pair retreated slowly, and in 5 minutes had been
retreated some 50-60 feet along the west side. They whistled etc at each
other, and after a time, the 1st pair advanced again, and this time the 2nd
pair did not chase them, but retreated, instead, finally flying to the east
side where they came from, and the first pair advanced on another 70-100 feet.
Later this 1st pair flew up and around and lit in two oaks, the M 25-30 feet
up on the NE side of one that had a cavity in it. He hung on the outside,
looking in, and then the F flew over from the other tree, and displacing the
M, she hung on the side of the oak, by the hole, and he lit on another limb,
15 feet away, bobbing his head ahead and back. After about 3 minutes, she
dropped to a perch a few feet from the hole, and just sat there, and the M
flew back to the oak she had 1st lit in. I scared her about then (15 minutes
later) and that was all I saw of them.

May 20, 1947 ^{one} 12-mile Swamp: flushed one pair, and they had nearly $\frac{1}{2}$ -grown young that couldn't fly yet. Length was about 10" or so. Later, I caught one of equal size, after a hard chase. The bird would run on the water, and if I got very close it would dive, and swim underwater for distances up to 15 feet without coming to the surface. The water was shallow and clear and I could see it using its nearly featherless wings as an aid in swimming, and it could see well under water, for it dodged vegetation growing ahead of it. Finally, it neared exhaustion, and I almost caught it, but it dove, and swam on, and they stayed down, and I tried to pick it up, but found that it was holding itself down by using the bill, and in order to pick it out of the water I had to break off the sear it was holding in its bill. This bird was also about 10" long, and had well-developed claws on the toes, and the toe (hind) was partially lobed. Brownish coloring in on the breast and shoulders, and the tail already had that "squared" form, with the metallic coloration.

May 24, 1947 ^{one} Peoria Ferry Road, Marsh 5 miles from Corvallis: Saw female and 5 young swimming from pond lily emergent-leaf area into spirea and willow thicket in the water.

August 8, 1947 Fern Ridge 1 am: ^{one} many were seen at various locations, at and in the reservoir. any up to 2 miles from the nearest ash or oak woods.

Aug 13, 1947 12-mile Swamp ^{one} flushed 2 or 3, and saw one that was in the immature stage.

Dec. 7, 1947 Fern Ridge 1 am: ^{one} many were seen at various locations, at and in the reservoir. any up to 2 miles from the nearest ash or oak woods.

June 18, 1948 12-mile Swamp ^{one} one full male in spike-rush area, and in a bit of I flushed a family that had from 1-1 young, 1/2 grown - ran very fast on the water.

July 8, 1948 12-mile Swamp ^{one} just one - many seen.

Apr. 30, 1949 Beaver Pond, 3 mi. of Bruce St., Benton Co. ^{one} two males and two females together playing about in pond on pond about 5 a.m. They didn't pay any attention to me. (H.M.).

June 9, 1957 Natomas Dist, along Elverta Road, Sacto. Co. Calif. 2 pair, with 1 F in rice fields in open country, without woody cover nearby.

Lighter, Fred G. Dnd. from my garden, many seen first, 7 years old, etc. and 2 pair from 1st garden.

4/10/50 Great Falls, Cal. w/ 196. 7th year. 34, 35 one in grass gold finch. like white eye, and one in grass. 1st and 2nd seen. Not sure.

Number of field birds collected:
 Redhead 1026-1027-1033-1036-1043-1046-1047-1062-1239-1243-1299-1303-1313-1325-1336-1341-1348-1349-1350-1365-1379-1386-1387-1388-1392-1417-1429-1445-1452-1557-1560-1495a-1552a-1552b-1561a-1561b-1581a-1581b-1581c-1588-1605-1611-1604-1745-1747-1750-1799-1854-1914-1931-1935-1947-1949-1997-2005-2006-2026-2052-2056-2086-2292-2293-2260-2276-2295-2340-2448-2477-2491-2518-2540-2551-2558

Myroca americana

Date Location and observations

Sept. 25, 1948 Grey Lodge Refuge: 4 immatures swimming close to coots in open pond, at edge close to Sagittaria.

June 30, 1949 Stillwater Wildlife Mgmt. Sta., Churchill Co. Nevada. 400 miles or mostly males. Not as far along in their molt as the females. No signs of molting. 17 broods. Broods were as follows: 6, 8, 11, 17, 4, 5, 10, 5, 11, 9, 14, 11, 4, 5, 6, 3, and 5. All in down, etc. One of the broods of 4 in which 3 are partly feathered. One carry one with the 4 must have been adopted or the 3 were adopted. Mean of all broods: 7.76 young. Also saw 2 pairs, separate, male and female together.

Sept. 1, 1949 The Lake, Calif. Saw a lot of other birds that had come into the hospital although were not allowed to be taken out of the hospital. About 4 have come into the hospital.

Feb. 27, 1950. Doerfler's Pond, 2; miles SE of Colorado Lake, Linn Co. Ore. EBK. 3 p.m. First redheads I have ever seen in the valley. Jay Long says he has never seen them in the valley before either. Jay spotted this first one. Later we spotted others and looked at them through Jay's 19.5X spotting scope. They were in with ring-necked and cans. Still later three of us, in walking around the pond had a flock of redheads and cans alight right in front of us at about 100 feet in the bright sunlight. Saw up to 24 redheads at one time. Perhaps this was the total for the pond.

June 12, 1951 SWMA, Fallon Churchill Co. Nevada. Fs with 8 2/week-old yng, & 6 yng.

Observer Fred Livenden, Jr.

Ring-necked Duck

16-112-187-211-223-337-481-566-846-1011-1014-1033-1036-1043-1054-10680-

1475-1486-1495-1509-1510-1530-1550-1551-1555-1737-1762a-1765-1772-1828-1830-1840-1841-1862-1878-1882-2007-2023-2024-2025-2046-2047-2068-2190-2253-2275-2290-2296-2336-2349-2354-2402-2441-2448-2449-2479-2485-2492-2502-2518-2576-2582-2657-2040-

Ayroca collaris

Date Location Description

April 3, 1942 Corvallis: ^{0.2}
 to the
 and
 1 Vm,

Oct. 10, 1942 Portland, Laurelhurst ^{0.2} Saw one male on the pond. He had his head tucked under a wing, and didn't want to be disturbed very much.

Oct. 15, 1942 Corvallis, Ore. McFadden Pond 7:30 to 8:30 a.m.
Female immature:
Gizzard volume 6.5 c.c.
Insects: Black Ants (Formicidae)
The mandible of another insect.

Digested or pulverized plant bulk 2 c.c.
Cruciferae, pod of some species
Black Binweed, Polygonum Convolvulus 2.5 c.c.
Bur-reed, Sparganium (eurycarpum) 1.5 c.c.
Grit 0.5 c.c.

November 7, 1942 ^{Ore} Wagner Butte, 10 miles south of Corvallis Shot at 8:30 a.m.
Immature Male: Gizzard Contents 4.0 c.c.

Grit 1.0 c.c.
Undetermined plant material 0.5 c.c.
Insect body and wing parts .2 c.c.
Unidentified minute arthropod
~~4~~ eggs (?) Purple, black, 2.5 c.c.
^{spiral} brown and tan or gray.
^{ridges}

March 9, 1943 Corvallis Duck Trap Pond ^{Ore}
There were about 50 of them on the pond & of all the ducks present, they were the least & paid little attention to me. I have in eight used strong directing beater

Jan. 14, 1947, 12-mile Swamp - I thought I saw a flight of 4 or 5 land in a part of the swamp on the far side, but nothing further was seen of them.

Nov. 25, 1948 East Moreland Pond, Portland, Oregon: about 12 on the east pond, mostly males. No scaups!

March 11, 1950, Southside Park, Sacramento, Calif. 28M and 16F seen, many under shade of overhanging island vegetation, in water, with several mallards.

Feb. 27, 1950. Doerfler's Pond, 2 1/2 mi. SE of Colorado Lake, Linn Co. Oregon .DBA.
about 100 of them. None of them appeared to be scaups although Charlie Traub thought he saw 2 scaups. They also performed beautifully by taking off and landing again often on and whistling in for landings, too.

Nov. 7, 1952 Southside Park, Sacto. Calif. M's and F's as follows: 1&1, 1F, 11&7, 3M - 24 totals

Feb 24 1963 E of Corvallis, in Linn Co, Oregon - 15 on a pond w/ water

Nov. 21, 1966 Georgetown, Wash. D. C. 2M and 1F seen.

Dec. 23, 1966 " " 25M and 1F seen.

3/12/30 CTO Canal, To Falls, 15M 1F seen

12/21

12/21

12/21

12/21

12/21

12/21

12/21

Aug.

12/21

12/21

12/21

12/21

12/21

12/21/19

12/21/19

12/21/19

Unit of 1000 lbs. 1000 lbs. 1000 lbs.

62-488-175-178-780-786-987-988-992-1006-1012-1014-1018-1021-1033-1035-1036-1037-1043-
-1068a-(1078-1079-1083-1085-1098-1101-1102-1104-1105-1107-1110-1111-1114a-1128a-1150-1264-1268-1279-
-1387-1410-1413-1414-1418-1419-1429-1433-1434-1437-1438-1441-1445-1448-1449-1452-1458-1459-1460-1464-
1498-1504-1510-1516-1530-1531-1578-1552a-1561a-1566a-1561-1579-1228-1829-1830-1841-2031-
2275-2275-2326-2328-2396-7-9-2412-2403-2432-2444-2479-84-94-2508-2514-2528-4-2591-2658-
2659-62-64-

 $\dot{z} \in$

November 1, '48

| | | |
|--------------|--------------------------------------|-----------|
| <u>Male:</u> | Gizzard contents only, partly full - | 3.5 c.c. |
| | Grit | 0.4 c.c. |
| | <u>Stomatopoda</u> sp | 2.75 c.c. |
| | <u>Scirpus</u> sp. | 0.4 c.c. |

Feb. 21, 1943

Jan. 25,

Nov. 25, 1948

March 5, 1949

Feb. 24, 1949

July 31, 1949

Aug. 2, 1949

Feb. 6, 1951

Nov. 21, 1965.

April 30, 1962

Mr. David P. Olson, Research Asst.
Univ. of Minnesota,
St. Paul 1, Minnesota.

Dear Mr. Olson:

I hope some of the following data will be of use to you in your study of the Canvasback;

Breakdown of localities and months for data used in j of wlm article in '62:

October - Tomales Bay area - 1:5
November - Sacramento - 1:2
December - Sacto. - 0:2
January - Sierra foothills E of Sacto - 1:3
 Sacramento - 123:98
February - Clear L, Lake Co. Calif - 2:6
 Sierra fthls E of Sacto - 25:32
 Sacto - 40:27
March - Sierra fthls E of Sacto - 1:3
 Sacto - 3:0
April - Sierra fthls E of Sacto - 1:1

Western Oregon

Lincoln County - Dec. - 2:0 Jan.- 10:6 Feb.-2:28 Mar.-2:2 Apr.-3:2
 (before 1953 records)

Benton County: Dec. 1:0 Jan.-2:0 Feb. 52:28 Mar.-2:2 Apr. 3:2.

Churchill Co. Nevada - Apr.-2:2.

March 17, 1962 - California: Bolinas Lagoon, Marin Co. - 6:5F or imm.
 Solano Co. marshes - 20:32F or imm.

In addition: Counts without sex ratios (there before your request came in)

Mexico: 3/6/51 - 1 at Terminal, NE Zacatecas, Mexico.
 3/9/51 - 1 at roadside pond, Jimenez to Chihuahua, Chi. Mex.
 11/6/61 - SE of Los Mochis, Sinaloa, Mex.-4
 11/12/61- Guadalajara to Lake Chapala, Jalisco, Mex - 4
 11/14/61 - N of Iagos, Jalisco,-Mex. 2

Sincerely,

Fred Evenden

1. The first part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

2. The second part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

3. The third part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

4. The fourth part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

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6. The sixth part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

7. The seventh part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

8. The eighth part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

9. The ninth part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

10. The tenth part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

11. The eleventh part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

12. The twelfth part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

Chitra

Don G. Foster

2/6.7

Chlorine

Simon 2724

8-11

5. 1/2

Monday Oct. 11

157

MEXICOSE OF LOS ANGELES, SIMON - 1/2/51
GUMMIDGE - 2/1/51, 1/2/51, 1/3/51
M. OF LOS ANGELES, SIMON, 2 ON 1/1/51
JIMENEZ TO CHAMBERLAIN, 3/9/51
TERMINAL, RE EXPOSURE - 1 on 1/1/51, 1/2/51

1961

BALANCE OF 1961 - 1962 SESSION SCHEDULE

1962

| ELDER | 9/20
SM | 9/24
CT | 10/1
CMM
1 | 10/1
CMM
2 | 10/18
SM | 10/29
SG | 10/29
CT | 11/15
SM | 11/26
CT | 12/17
CT | 12/20
SM | 1/7
CMM
1 | 1/7
CMM
2 | 1/15
CG | 1/17
SM | 1/17
CT |
|-----------------|------------|------------|------------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------|-----------------|------------|------------|------------|
| BEAM | X | X | X | | X | X | | X | | X | X | | X | X | X | |
| BURKHARD | X | X | X | | X | X | | X | | X | X | | X | X | X | |
| CASTLE | X | X | X | | X | X | | X | | X | X | | | X | X | |
| CRITES | X | X | X | | X | X | | X | | X | X | | X | X | X | |
| CUNNINGHAM | X | X | | X | X | X | | X | | X | X | X | | X | X | |
| DAVIS | X | X | X | | X | X | | X | | X | X | | X | X | X | |
| DUNN | X | X | X | | X | X | | X | | X | X | | X | X | X | |
| EAST | X | X | X | | X | X | | X | | X | X | | X | X | X | |
| EVENDEN | X | | | | X | X | X | X | | X | X | | X | X | X | |
| FREEMAN | X | X | X | | X | X | | X | | X | X | | X | X | X | |
| GUETLING | X | X | X | | X | X | | X | | | X | | X | X | X | |
| KENDRICK | X | | X | | X | X | X | X | | | X | | X | X | X | |
| KIPP | X | | X | | X | X | X | X | | | X | | X | X | X | |
| KROGH | X | | | | X | X | X | X | | | X | X | | X | X | |
| LARSEN | X | | | X | X | X | X | X | | | X | X | | X | X | |
| LAUGENOUR | X | | | X | X | X | X | X | | | X | | | X | X | |
| MC CRILLIS | X | | | | X | X | X | X | | | X | X | | X | X | |
| MC CURRY | X | | | X | X | X | X | X | | | X | | | X | X | |
| MEMERING | X | | X | | X | X | X | X | | | X | X | | X | X | |
| OGDEN | X | | | | X | X | X | X | | | X | | | X | X | |
| ORANGE | X | | | X | X | X | | X | X | | X | X | | X | X | |
| PAPE | X | | | | X | X | | X | X | | X | X | | X | X | |
| REED | X | | | X | X | X | | X | X | | X | | X | X | X | |
| ROHWER | X | | | | X | X | | X | X | | X | X | | X | X | |
| SCHUNKE | X | | | X | X | X | | X | X | | X | | | X | X | |
| SIEFKIN | X | | | X | X | X | | X | X | | X | X | | X | X | |
| SPARKS | X | | | X | X | X | | X | X | | X | X | | X | X | |
| SPEARMAN | X | | | X | X | X | | X | X | | X | X | | X | X | |
| STAINBROOK | X | | | X | X | X | | X | X | | X | | | X | X | |
| YEATES | X | | | X | X | X | | X | X | | X | X | | X | X | |
| TOTAL
NEEDED | 30 | 10 | 12 | 12 | 30 | 30 | 10 | 30 | 10 | 10 | 30 | 12 | 12 | 30 | 30 | 0 |

SM - REGULAR SESSION MEETING 7:30 P.M.

SG - SPECIAL CONGREGATION MEETING

CT - SPECIAL SESSION MEETING TO

CG - ANNUAL CONGREGATIONAL MEETING

RECEIVE COMMUNICANTS 5:30 P.M.

CMM- COMMUNION SUNDAY

"1" - 9:30 SERVICE - "2" - 11 A.M. SERVICE

NOTE: IF YOU CANNOT MEET THIS SCHEDULE OBLIGATION, PLEASE SECURE YOUR OWN SUBSTITUTE WHERE SUBSTITUTE IS NEEDED TO MEET A QUORUM OR FILL OUT A FUNCTION OF SERVICE.

UNIVERSITY OF MINNESOTA
INSTITUTE OF AGRICULTURE
ST. PAUL 1, MINNESOTA

DEPARTMENT OF ENTOMOLOGY AND ECONOMIC ZOOLOGY

22 February 1962

Mr. Fred G. Evenden
1336 Fitch Way
Sacramento 25, California

Dear Fred,

From the enclosed cooperator letter you will note that I'm studying canvasback sex ratios as one phase of my canvasback research program.

I'm very much interested in your sex ratio observations given in the Journal of Wildlife Management in 1952. Could you tell me something about the dates of the California observations, also the type of habitat involved? That is, were the canvasbacks seen on large lakes or bays such as San Francisco Bay or smaller lakes and marshes?

Your data and that given me by Morton Smith in Louisiana suggest that there is a tendency for females to winter further south than males. If you have a chance to observe any canvasbacks this winter and spring or know of anyone who could, I'd be grateful for the information.

Sincerely,



David P. Olson

DPO/jeo

Encl.

Observer Fred L. Vanden, Jr.

Greater Frigatebird

Number of birds seen on island observed:
124-366-1107-1429-1433-1532-1559-1578-2242-

Myrocarallus

DATE

Location and observation time

Observer Fred Liveness, Jr.

Lesser Scaup

70-80-84-102-111-118-134-174-189-192-193-219-288-290-303-488-490-
994-998-1001-1002-1003-1005-1012-1018-1019-1024-1025-1026-1027-1037-1087-1029a-1046-1047-1049-1054-1055-1068a-1071-1078-1079-1083-1085-
1088-1090-1098-1101-1103-1105-1107-1110-1127-1128-1128a-1141-1147-1149-1158-1325-1336-1349-1351-1365-1376-1378-
1485-1486-1492-1494-1496-1516-1531-1532-1545-1559-1561-1578-1580-1582a-1582b-1560a-1581a-1635-1727-1785-1786-1794-1796-1799-1819-1829-1831-1873-
1899-1904-1939-2014-2016-2042-2052-2055-2056-2069-2105-2110-2191-2280-2290-2298-2299-2310-2336-2340-2347-2357-2377-2400-2423-2441-2443-2444-2449-2499-2500-
2501-2503-2506-2508-2510-2513-2516-2518-2583-4-2653-57-58-60-62-64-

Date

Location and observations

- Sept. 5, 1942 Pudding River, Woodburn: ^{One} This afternoon there was a flock of about 35 Lesser Scaups feeding in the river around and just below the outlet to the sewer from the Ray-Maling cannery. The river is filthy below this point, and someday I hope that someone will be appointed with the power to clean up and halt such damages to our rivers in the State.
- Oct. 24, 1942 Pudding River, Woodburn: ^{One} Flushed a few of these from the river below the sewage outlet and found one dead one. Branches and logs along the river are coated with the filthiest slime you ever saw.
- Apr. 1, 1944 Snake R. Idaho - several were observed dead along the banks of the river.
- Feb. 11, 1948 near Owl Creek, E of Corvallis, ^{One} 2 p.m. - 3 males and 2 females were on a small pond, beside a fence row within 15 feet of the Albany-Corv. hiway! When I stopped the car near them, they swam rather leisurely away.
- Aug. 31, 1949 Tule Lake, Calif. one male and one had botulism. several others were resting on the shore.
- Dec. 27, 1954 S. San Francisco Bay, San Mateo Bridge. several hundred birds in small groups and scattered over bay area visible.

American Golden-eye

Number of field trips on which observed:

Bucephala clangula americana

192-266-275-281-288-175-778-850-857-868-1015-1028-1107-1112-
1117-1147-1381-1387-1392-1394-1395-1405-1422-1430-1448-1473-1563-1821-1839-1840-1841-2046-
2072-2277-2278-2295-2402-5-2448-2494-2499-2510-2516-2583-2584-2591-2592-2664-61-

| Date | Location and observations: |
|----------------|--|
| Dec. 3, 1943 | Wallula, Wash., along Columbia R. - I saw 10-12 individually and one flock of 8 flying together downstream. The black head, and back, and white sides show up at a distance, and from 50' to 100' distance the black head turns a dark green & the nearly round spot on the cheek becomes evident. Underparts and sides all white. White inner wings. White on sides when bird is on the set, with faint streaking of black on higher parts. |
| Apr. 1, 1944 | Glenn's Ferry to Hammett, Idaho. There were singles, pairs and large flocks. I observed one female jump directly into the air when frightened suddenly. They are a very wary bird, and are hard to get near. |
| April 13, 1946 | 12-mile Swamp. About 17:00 I spotted this one bird swimming with a flock of Coots along the west side. Light was wrong so we didn't make a certain identity, other than "Golden-eye" until we flushed it, and it flew north, to the east of us, when the greenish-glint to the head, and the roundish white spot were plainly seen. |
| Dec. 2, 1948 | Donner Lake, Nevada Co. 8000' e lev. Strong west wind. one flock of 15 full males, and another flock of 3, or which there was one female or immature. Also 3 other males seen. |
| Feb. 22, 1949 | 2 ⁷⁺¹² seen on Rogue River between Rogue River and Medford at 1230 noon. |
| Jan. 5, 1951 | Farmington Res. area, Stanislaus Co. Calif. 1 full M & 5F or imms. |
| Feb. 6, 1954 | Bay Farm Island, Alameda Co. Calif. Few. |
| Mar. 10, 1960 | South of Oleana, Marin Co. Calif. 1 pair. 1 brood of 4. 1 young chick not only 1 but 500 feet in line. |
| Mar. 17, 1962 | Bolinas Lagoon, Marin Co. Calif. Noonish. 1 ad. male per 1 F or imm. 25-30 sec. |
| 3/7/74 | Along rocky bank, Pt. St. Id. 20-25 ft., many courting, full "parent" note |

THE UNIVERSITY OF CHICAGO

[illegible]

Camp Pioneer, Lin. Co. ⁰⁰²4000' elev. This p.m. a group of us watched a female feeding in a shallow lake, near the scout camp lake. We were quiet, and it carried on normally and gave us all a treat, as it went by us slowly, not over 30 feet away.

Tillamook Bay entrance by Tom McCallister 1 pair.

Lost Lake, S. Santiam Pass - 2 pair were seen in the center of the lake, and they swam for a while, as we approached, and then 1 dived, and 2 ran for a take off.

Lost Lake, S. Santiam Pass, Lin. Co., Oregon - 2 ♀ ad M & 1 ♂ ad imm. living in mid-lake

NE of St. Maries, Benewah Co. Idaho. 8 M&F. 1 more melanistic F in breeding plumage?? Bill appeared more slender, and was orange-red not yellow. No whitish area below head. Whole body more or less uniformly brown. Body seemed slightly smaller than F. Golden-eyes.

Observer Fred Evenden, Jr.

Number of field trips on record:

Buffle-head
- 1102a - 775-778-780-807-819-844-848-851-859-868-870-880-888-1002-1005-1011-1014-1026-1031-1033-1036-1043-1046-1047-
1055-1079-1107-1110-1141-1142-1147-1360-1361-1365-1375-1380-1383-1387-1410-1417-1418-1419-1429-1448-1449-1452-1457-1464-1468-1473-1484-1516-
1527-1531-1533-1545-1561-1552a-1561a-1581a-1778-1797-1799-1819-1825-2019-2021-2022-2053-2072-2071-2051-2086-2110-2182-2198-2284-2297-
Anarhionetta alpeola 2340-7-2397-2400-2402-3-5-2448-2506-2518-2584-2591-2660-61-64-
BUTTERFLY

Date Location and observations

- Dec. 30, 1942 Laurelhurst Park, ^{ore} ...
- Jan. 1, 1943 Corvallis: ^{ore} ...
- Dec. 3, 1943 Wallula, Wash. - along Columbia R., - saw 5 of them today.
- Apr. 7, 1944 Mtn. Home Reservoir, Idaho. Male and female. The male was brilliantly white and the female was quite drab, with a white spot on the side of the head. The male would dive and when he broke the surface the female would dive and when she came up they would both stay up a few moments, and then they would repeat the above procedure.
- August 9, 1946 Red Butte, Lake, Linn Co. ^{ore} 9 a.m. We had a swell view of a male and a female Bufflehead, and their 4 young swimming in the deeper water off the south end of the lake. The young evidently couldn't fly, for all they did was get up and run on the water. Neither of the adults flew or dove, either.
- Feb. 11, 1948 Stewart L, 1½ mi. N of Corvallis: ^{ore} 3 males in beautiful plumage, and 3 females 2 of which were last years. Flushed them 3 times, but they just flew to the other end each time! A Lesser Scaup male was with them. The males and older female took off with a noticeably shorter run (about 12'), than did the two young females, which took almost 20-25' to take off.
- Feb. 28, 1948 Stewart Lake ^{ore} - 230 p.m. 3 males and 3 females present (one of which was the young mentioned before. The 3 males were really beauties, and flushed back and forth on the lake several times. Take-off runs averaged about 15'.
- March 30, 1948 1½-mile Swamp ^{ore} 4 immatures, or females, probably the latter. Take-off distance, 5-7 feet.
- June 13, 1940 1-mile Swamp ^{ore} ... I spotted an immature ... (probably 3/4 adult) in company with a female ... on the south end pond. It was probably an immature, for the wings ... white yet, just a little ... These two birds ... only the Bufflehead did any diving while I watched. ... I finally flushed these birds, ... and the Bufflehead to the south pond. ... I watched them for at least 15 minutes, ... moved toward them. ... accompanying the last Bufflehead I saw, ... through this part of the ... I got within 50 feet of them ... longer before ... than, and then ... to the first pond on which I had seen one of the ...
- Dec. 2, 1948 Truckee R., just below Lake Tahoe ^{ore} 1 F or imm. on river with coots & redhead.
- Feb 24, 1960 Hinesy Freby, N. 4940, West Co Calif - 5 or 6 pairs seen - 2 full grown.
- Mar. 17, 1962 Bolinas Lagoon, Marin Co. Calif. Noonish. 1 ad male to 3 F or imm. - 40 seen.
3/12/80 W. H. H. H. H.

EDWARD GREY INSTITUTE OF FIELD ORNITHOLOGY
(Dept. of Zoological Field Studies, Oxford University)
BOTANIC GARDEN
OXFORD

Director: David Lack, M.A., SC.D., F.R.S.

Telephone: Oxford 47826

Dr. F.G. Evenden,
1717 Professional Drive,
Sacramento 25,
California, USA.

January 5, 1960.

Dear Dr. Evenden,

Thank you so much for your letter in reply to my request about Harlequin Ducks. You have a nice little group of records. Naturally I would like as much detail as possible upon them, since this increases the value of each record. You did state what sex and ages were involved in the records of August 6, 1942 and August 7, 1942 but not in the cases of the records of April 12, 1941, April 14, 1942, March 19, 1946 and June 13-14, 1946. It would greatly add to the value of these records if you had information to fill in how many birds of each sex were involved; I also wonder if the June 13-14, 1946 record may not have included young birds. Another puzzling record is that of August 7, 1942 since I know of no record previously in which a male was accompanying a female with young. It should have been molting on the sea.

If you could find time to add further details to these interesting reports of yours I would be very grateful. So as to save having to list all such desirable details I am enclosing a copy of the current questionnaire and wonder if you could complete the details in that perhaps.

Thank you so much for writing.

Yours Sincerely,

Timothy Myres
T. T. Myres

December 14, 1959

M. T. Myres, Edward Grey Institute of
Field Ornithology,
Botanic Garden, Oxford, England.

Dear Dr. Myres:

I noted with interest your request for information on summer records of the Harlequin Duck. This is in response to that request in the Condor.

April 12, 1941 - Mollala River, N. Fork, Clackamas County, Oregon.
April 27, 1941 - Pacific Ocean, Newport, Lincoln County, Oregon.
March 14, 1942 - Mary's River, Corvallis, Benton Co. Oregon.
August 6, 1942 - Big Lake, Eastern Linn Co. Oregon, (top of Cascade Range) Female
August 7, 1942 - Big Lake, again. Male, Female and 4 young on the lake.
March 19, 1943 - Mollala River, near Canby, Clackamas Co. Oregon.
June 13-14, 1946 - Breitenbush River, eastern Marion Co. Oregon.
Sept. 7, 1946 - Ecola Park and Alsea Short Sand Beach State Parks, Pacific
Ocean, Clatsop and Tillamook Counties, Oregon.
April 21, 1951 - Point Pinos, Monterey Co. Calif. Pacific Ocean.

I hope that some of these records may be of interest to you in your compilatory work on the Harlequin Duck.

Sincerely,

Dr. Fred G. Evenden,
X- icologist.

FGE:me

Observer: Fred Ivenden, Jr.

Number of birds banded on this survey:

2187-2642-
Eastern Harlequin Duck

57-62-70-102-123-

-220-366-403-446-489-566-567-1004-1904-

histrionicus histrionicus pacificus

Date | Location and observations

Aug. 6, 1942 Big Lake? Female swimming nonchalantly in a small pool off the north side of the lake. Larger & heavier feathered around the head. Generally a dark brown color. Not any larger than the Mallards.

Aug. 7, 1942 Big Lake? Watched the male & female & 4 young in the lake near the point from which I watched.
(I made this change in identification because of points I learned in identifying & ducks in Game Management cases.)

June 13, 1946 Breitenbush R., Forest Camp. 7 p.m. I caught a glimpse of a female flying upstream. Sometime later one, probably the same one, flew up the stream and set its wings opposite me, barely lit, and dove below the surface. It soon came up, and shook water a little. Then it dove under and didn't come up till it had swum a out 30' across the current. It is almost unbelievable, for the water was very swift and strong in its course, and the stream is strewn with huge boulders. A little later the bird appeared on a rock 50 feet below me, and proceeded to preen itself for a few minutes. The male was not seen.

6/12/67 Clover Pt, Victoria B.C.
Sex ratio M/F in air: 1/0 2/0 4/2 8/3 5/1 4/1 5/0
Total = 29/7 or 4/1

6/13/67 " Rates - 3/0 5/3 2/1 = 16/4 or 4/1

6/26-27/79 Jackson Hill - Clover Pt, Victoria B.C. 14M + 17F in air, plus many

Clangula hyemalis

| Date | Location and observations |
|--------------|--|
| Mar 26, 1947 | Neahkahnie Mtn, Tillamook Co ^{Or.} by Tom McCallister: one bird taken to be of this species in with a northward moving flock of Surf Scoters. |
| Dec. 6, 1949 | Moss Landing, Monterey Co. Calif. 120 . . . observed just one female in winter plumage swimming in the lagoon with other ducks. |
| May 16, 1955 | Pose Beach, Lake Tahoe, N. of Upper Truckee R., Calif. 8 p.m. - 11 p.m. threatening weather, but end of save. I heard of several more. Found juvenile male riding low to water - generally gravis - like a scoter. Greenish wings and back. White sides and below. White bills showed in bright sun. Flight followed by run for takeoff of about 3 ft. - stable for 2 sec. on so at 75' w/ 74 binocs in sun's eye. Bill short and sleek, with black tip and base. Head round - white throat and sides, with black, gray-brown on top, and gray below with black - brown and 1 eye on 10's and around base of head onto neck behind. No curved so called "hook" - curved crests not joined at tip. Bill short. Bill no darker at tip. No dark sketch. |
| 3/24/79 | Exposition Park, Toronto and 18.000. 6 p.m., w/ some "sneaky" - counting? |

4. 2. 2024

Observer Fred Evenden, Jr.

Number of field trips to the colony:

White-winged Scoter

884-1004-1079-1107-1110-1147-1332-1334-1335-1359-1380-1385-1386-1410-1417-1578-1630-1631-1698-1810-1811-1888-
1899-1901-1904-1928-1939-2338-2381-2402-2404-2583-2660-61-65-

Melanitta deglandi

Date

Location and observations

April 20, 1947

Orville: Two females, one male, and one juvenile, all in the water. The birds were in the water, and the juvenile was in the water. The birds were in the water, and the juvenile was in the water.

April 20, 1947

Orville: One female, one male, and one juvenile, all in the water. The birds were in the water, and the juvenile was in the water.

Jan. 25, 1947, Yaquina Bay, south shore. about 8 of them out on the sand, some 15 feet from the edge of the water. Perched on wood debris, or just on the sand. Just seemed to be resting. Didn't pay much attention to us. When we flushed them, they got up and "ran" on the sand, as they would on the water, and took off in a distance of about 15 feet (helped by the 25-30 mile winds today). All took off quartering into the wind, although not all facing that way when flushed. This is the first time I have seen them out of water, perched on land.

April 20, 1947, Orville, Yaquina Bay, south shore. about 8 of them out on the sand, some 15 feet from the edge of the water. Perched on wood debris, or just on the sand. Just seemed to be resting. Didn't pay much attention to us. When we flushed them, they got up and "ran" on the sand, as they would on the water, and took off in a distance of about 15 feet (helped by the 25-30 mile winds today). All took off quartering into the wind, although not all facing that way when flushed. This is the first time I have seen them out of water, perched on land.

Observer Fred Lenden, Jr.

Number of birds banded by Fred Lenden

70-80-102-113-124-164-182-191-192-193-254-365-366-446-566-567-568-572-

1380-1381-1385-1386-1410-1531-1534-1578-1630-1691-1787-1797-1810-1811-1888-1902-1904-1959-1955-1979-1107-1109-1110-1201-1329-1330-1332-1334-1335-1359-1361-1363-2591-2592-2653-2654-2655-2656-2657-2658-2659-2660-2661-2662-2663-2664-2665-2666-2667-2668-2669-2670-2671-2672-2673-2674-2675-2676-2677-2678-2679-2680-2681-2682-2683-2684-2685-2686-2687-2688-2689-2690-2691-2692-2693-2694-2695-2696-2697-2698-2699-2700-2701-2702-2703-2704-2705-2706-2707-2708-2709-2710-2711-2712-2713-2714-2715-2716-2717-2718-2719-2720-2721-2722-2723-2724-2725-2726-2727-2728-2729-2730-2731-2732-2733-2734-2735-2736-2737-2738-2739-2740-2741-2742-2743-2744-2745-2746-2747-2748-2749-2750-2751-2752-2753-2754-2755-2756-2757-2758-2759-2760-2761-2762-2763-2764-2765-2766-2767-2768-2769-2770-2771-2772-2773-2774-2775-2776-2777-2778-2779-2780-2781-2782-2783-2784-2785-2786-2787-2788-2789-2790-2791-2792-2793-2794-2795-2796-2797-2798-2799-2800-2801-2802-2803-2804-2805-2806-2807-2808-2809-2810-2811-2812-2813-2814-2815-2816-2817-2818-2819-2820-2821-2822-2823-2824-2825-2826-2827-2828-2829-2830-2831-2832-2833-2834-2835-2836-2837-2838-2839-2840-2841-2842-2843-2844-2845-2846-2847-2848-2849-2850-2851-2852-2853-2854-2855-2856-2857-2858-2859-2860-2861-2862-2863-2864-2865-2866-2867-2868-2869-2870-2871-2872-2873-2874-2875-2876-2877-2878-2879-2880-2881-2882-2883-2884-2885-2886-2887-2888-2889-2890-2891-2892-2893-2894-2895-2896-2897-2898-2899-2900-2901-2902-2903-2904-2905-2906-2907-2908-2909-2910-2911-2912-2913-2914-2915-2916-2917-2918-2919-2920-2921-2922-2923-2924-2925-2926-2927-2928-2929-2930-2931-2932-2933-2934-2935-2936-2937-2938-2939-2940-2941-2942-2943-2944-2945-2946-2947-2948-2949-2950-2951-2952-2953-2954-2955-2956-2957-2958-2959-2960-2961-2962-2963-2964-2965-2966-2967-2968-2969-2970-2971-2972-2973-2974-2975-2976-2977-2978-2979-2980-2981-2982-2983-2984-2985-2986-2987-2988-2989-2990-2991-2992-2993-2994-2995-2996-2997-2998-2999-3000

Melanitta perspicillata

Date Location and observations

- March 26, 1947 Ecola State Park, Clatsop Co by Tom McCallister: large rafts offshore.
- March 26, 1947 Neahkahnie Mtn. steady lines of this species in flocks of about 50 moving north, mostly males - 1:5.
- Oct. 3, 1949 Huckleberry Hill, Lincoln Co. Oregon - 20-25 feeding 100 yards beyond the breakers for at least 3 hours in a.m., and in approximately the same spot.
- Oct. 5, 1949 Seal Rocks, Oregon. white forehead only, and feeding in shallow, rocky surf.
- Oct. 16, 1960 Davis Sewer Pond, Road 102, Yolo Co. Calif. 1:15 p.m. PST. 2 immatures basically shades of brown, with head profile similar to that of Canvasback and with two large buffy-white areas on sides of head, fore and aft. Alice Williams saw one on Oct. 15th. 30X scope used today. Betty Kimball.

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The number of transformed cells was determined by the number of colonies obtained on the selective medium. The results are the mean of three independent experiments. Error bars represent the standard deviation.

1

Number of field trip activities

141-153-156-283-386-471-545-621-630-639-661-677-(754?)-783-794-814-817-

823-827-839-873-880-888-889-891-898-1029a-1159-116
1266-1270-1277-1278-1279-1825-1826-2044-2053-2198-2199-2293-~~2299~~ 2302-2340-2441-2498-

| Date | Location and observations: |
|----------------|---|
| April 28, 1947 | Orville! ...
... until ...
... .. |
| May 20, 1947 | Orville! ... |
| June 6, 1947 | Orville! ... |
| Nov. 29, 1947 | Rugging I, Orville! ... 25 yards upstream, lit, crested or t, no ... croakish call note. Then I flushed it ... more than one. It circled and came back over me, again it was, making loud ... "rolling sound", probably because of the wet-back skin, I found later. |
| May 13, 1947 | 12-mile Swamp? a female seen with 4 or 5 young by Dave, and later I saw the adult birds, but not the young. These were also reported by Bob Storm last Saturday (May 10th). |
| May 20, 1947 | 12-mile Swamp: at least 2, and possibly 3 different females were seen in the area. One had 10 young, and another had at least 4 that I know of. I found myself in the middle of them, and the F was trying to decoy me away. When that wouldn't work she swam about in the open, with crest fully erected, and uttering a heron-like series of notes. As she swam back and forth, first one, and then another of the young appeared at her side, and followed her closely as she swam away. |
| May 27, 1947 | Faling Estate Swamp, east of 12-mile Swamp: saw 4 young (of this species?) in open water, just above the dam. |
| June 25, 1947 | Fern Ridge lam area - saw adults and young (I didn't have a chance to count them, but at least 5 were seen). |
| Nov. 29, 1947 | Camp Seco Pond, Calaveras Co. Calif. a concentration of this duck on the pond this a.m. - 27M & 56F or imm. |
| Jan. 30, 1948 | Camp Seco Pond. 15M and 23 F or imm. |
| Feb. 22/68 | Chincoteague NWR, Va. No counting in a.m. |
| 10/23/60 | Widewater CTO Canal, MD. 1 pair w/ 1 fledgling |

Observer Fred Alvenden, Jr.

American Merganser

Number of field trips or field observations:

109-124-193-201-204-206-218-223-266-271-288-298? - 328-333-480-

543-545-567-609-205-774-777-783-850-971-986-1024-1026-1031-1033-1036-1037-1039-1445-1447-1450-1474-1475-1476-1477-1478-1479-1480-1481-1482-1483-1484-1485-1486-1487-1488-1489-1490-1491-1492-1493-1494-1495-1496-1497-1498-1499-1500-1501-1502-1503-1504-1505-1506-1507-1508-1509-1510-1511-1512-1513-1514-1515-1516-1517-1518-1519-1520-1521-1522-1523-1524-1525-1526-1527-1528-1529-1530-1531-1532-1533-1534-1535-1536-1537-1538-1539-1540-1541-1542-1543-1544-1545-1546-1547-1548-1549-1550-1551-1552-1553-1554-1555-1556-1557-1558-1559-1560-1561-1562-1563-1564-1565-1566-1567-1568-1569-1570-1571-1572-1573-1574-1575-1576-1577-1578-1579-1580-1581-1582-1583-1584-1585-1586-1587-1588-1589-1590-1591-1592-1593-1594-1595-1596-1597-1598-1599-1600-1601-1602-1603-1604-1605-1606-1607-1608-1609-1610-1611-1612-1613-1614-1615-1616-1617-1618-1619-1620-1621-1622-1623-1624-1625-1626-1627-1628-1629-1630-1631-1632-1633-1634-1635-1636-1637-1638-1639-1640-1641-1642-1643-1644-1645-1646-1647-1648-1649-1650-1651-1652-1653-1654-1655-1656-1657-1658-1659-1660-1661-1662-1663-1664-1665-1666-1667-1668-1669-1670-1671-1672-1673-1674-1675-1676-1677-1678-1679-1680-1681-1682-1683-1684-1685-1686-1687-1688-1689-1690-1691-1692-1693-1694-1695-1696-1697-1698-1699-1700-1701-1702-1703-1704-1705-1706-1707-1708-1709-1710-1711-1712-1713-1714-1715-1716-1717-1718-1719-1720-1721-1722-1723-1724-1725-1726-1727-1728-1729-1730-1731-1732-1733-1734-1735-1736-1737-1738-1739-1740-1741-1742-1743-1744-1745-1746-1747-1748-1749-1750-1751-1752-1753-1754-1755-1756-1757-1758-1759-1760-1761-1762-1763-1764-1765-1766-1767-1768-1769-1770-1771-1772-1773-1774-1775-1776-1777-1778-1779-1780-1781-1782-1783-1784-1785-1786-1787-1788-1789-1790-1791-1792-1793-1794-1795-1796-1797-1798-1799-1800-1801-1802-1803-1804-1805-1806-1807-1808-1809-1810-1811-1812-1813-1814-1815-1816-1817-1818-1819-1820-1821-1822-1823-1824-1825-1826-1827-1828-1829-1830-1831-1832-1833-1834-1835-1836-1837-1838-1839-1840-1841-1842-1843-1844-1845-1846-1847-1848-1849-1850-1851-1852-1853-1854-1855-1856-1857-1858-1859-1860-1861-1862-1863-1864-1865-1866-1867-1868-1869-1870-1871-1872-1873-1874-1875-1876-1877-1878-1879-1880-1881-1882-1883-1884-1885-1886-1887-1888-1889-1890-1891-1892-1893-1894-1895-1896-1897-1898-1899-1900-1901-1902-1903-1904-1905-1906-1907-1908-1909-1910-1911-1912-1913-1914-1915-1916-1917-1918-1919-1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-

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Feb. 21, 1943 Alsea River near head of Tidewater. ^{Gr.} Pair of brilliant males - in full plumage with red bills and etc.

4-11-43 Washougal River — Camas, Wash.

Female catching a 5" trout in the shallow water.

July 26 1944. McCall, Idaho. Saw male and female and 5 young on Payette river this evening.

~~July~~ 29 1944 McCall Idaho. Saw male and female and young (5) pretty well along in
Aug. size, on this Payette R. today.

Jan. 11, 1947, Avery Park, Corv. 4 p.m. 1 female in an eddy jacket off the main part of the Mary's River. When we flushed it, it used up 55' to 60' of water for its takeoff, and then flew only 100 feet or so farther on before it banked into another "cove" for a landing.

Apr. 27, 1947 Rogue R., 6 mi about Illahe, Curry Co: 3 not quite in full plumage were on a sand bar by the river at 2 p.m. and had to enter the water to take off when we flushed them.

- Feb. 1, 1949 Long Tom R, ^{One} 3 mi. N of Monroe, Benton Co (THMCA)-flock of 40 together north of the bridge. Very wary. Cans and ring-necked were easily approached and flushed only after all the other ducks. 25M & 15F mergansers (?) Males in full breeding plumage.
- June 21, 1949 S. Fk. Humboldt River, Hylton Dam Site, Elko Co. Nevada - 12 young with female - young would dive and swim 20 feet under water.
- Nov. 6, 1949 Bolinas Lagoon, Marin Co. 1030 a.m. a fairly compact group of 35 swimming and diving together on the lagoon. Only 3 full-plumaged males seen - rest were "redheads".
- Dec. 15, 1949, Stillwater Refuge Area, Churchill Co. Nevada - 10 a.m. a F or imm in open ditch, with 2"-deep, 5" long Centrarchid fish in its bill. It dropped the fish when we approached.
- Jan. 4, 1950 - Feather R, Sutter Co, at Verona, Calif - 6 on river, near sand bar. 5 p.m.
- Feb. 25, 1950 - Sacramento R, Shasta Retreat to Castle Crag, Siskiyou County Calif - 5 p.m. Water very murky, but observed a single F or imm. and a pair drifting downstream along the edge.
- June 12, 1951 Pyramid Lake, Nevada - 1F seen with 6 young
- May 31, 1953 Lake Tahoe, Upper Truckee R. Eldorado Co. Calif. 15-18 mostly males, with 4 F or imm. males seen.
- July 27-28, 1956, Stony Hill Lake, 70' x 1 mi. Eldorado Co. Calif. 10 a.m. - 10 a.m. 10 a.m. half-grown young roosting on Stony Hill Lake. Because of activity about lake, they were seen at various places about the lake and the 3 F or imm. were there. At night they roosted in a small grove about 10 feet offshore.
- Sept. 7-9, 1958 Zephyr Point, L. Tahoe, Nevada - up to 13 at one time, all in F plumage.
- 7/12/80 By Tull M.D. L.A. 20146 Fimm.

Number of field trials on this occurrence:

Red-browed Noddy 110-118-191-193-218-241-266-498-538-545-566-567-775-778-822-823-1078-
1107-1110-1410-1533-1567-1810-1854-1888-1897-1901-1903-1904-2068-2209-2243-2254-2402.3-2591

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7-25-43

6 young in the river & lake; couldn't judge whether molting or too young - its hard to tell.

Feb. 26, 1949 Yaquina Bay, Oregon (IBH) saw perhaps 20. Never more than two at a time, and almost all were males.

12/7/20

Bellevue, Va. 17th Nov 1862. Flying out north.

5/1/2000

976, 2/11 - See above Serial # 4176. co/JSB.

May 9, 1960, N of Millerton, Ventura Co., Calif. - Upon arrival at the field site at 7:15 a.m., 2 were observed on top of rocks in a field. Later we watched another in the dead Big-leafed shrub. As morning progressed a few more were spotted. At least 10 were seen at least of Cow Spr. and Buckhorn Spr. sites. Towards Millerton all birds were enroute to Topatopa Mtn or San Juan Mtn. By 11 a.m. we had seen more than 10 in air - there time, but by 2 p.m. we had counted only 10 in air time, with at least 3 others known to be elsewhere on a bird, just before our group departed for Millerton.

Mar. 12, 1964, N of Ventura, Ventura Co., Calif. somewhere over San Rafael Mts. and Los Padres Forest - looked down from jet on 3 Condors circling over towering cumulus cloud - about 5:45-6 p.m. - 1st. Flare at 16, 100 the 1st below it.

1252-1256-1257-1258-1264-1272-1273-1277-1278-1281-1284-1286-1290-1293-1294-1295-1296-1299-1300-1307-1314-1316-1322-1326-1330-1339-1341-1342-1347-1352-1355-1358-1360-1361-1362-1368-1372-1373-1375-1382-1424-1426-1429-1446-1461-1478-1480-1481-1499-1500-1501-1504-1505-1506-1508-1517-1519-1520-1522-1523-1524-1525-1526-1527-1528-1531-1532-1544-1547-1549-1553-1557-1560-1561-1564-1565-1566-1567-1568-1569-1570-1571-1572-1573-1574-1581-1581a-1581b-1581c-1581d-1581e-1581f-1581g-1581h-1581i-1581j-1581k-1581l-1581m-1581n-1581o-1581p-1581q-1581r-1581s-1581t-1581u-1581v-1581w-1581x-1581y-1581z-1582-1583-1584-1585-1586-1587-1588-1589-1590-1591-1592-1593-1594-1595-1596-1597-1598-1599-1603-1605-1606-1607-1608-1611-1615-1617-1618-1619-1620-1621-1622-1623-1624-1625-1626-1627-1628-1629-1630-1631-1632-1633-1634-1635-1636-1637-1638-1639-1640-1641-1642-1643-1644-1645-1646-1647-1648-1649-1650-1651-1652-1653-1654-1655-1656-1657-1658-1659-1660-1661-1662-1663-1664-1665-1666-1667-1668-1669-1670-1671-1672-1673-1674-1675-1676-1677-1678-1679-1680-1681-1682-1683-1684-1685-1686-1687-1688-1689-1690-1691-1692-1693-1694-1695-1696-1697-1698-1699-1700-1701-1702-1703-1704-1705-1706-1707-1708-1709-1710-1711-1712-1713-1714-1715-1716-1717-1718-1719-1720-1721-1722-1723-1724-1725-1726-1727-1728-1729-1730-1731-1732-1733-1734-1735-1736-1737-1738-1739-1740-1741-1742-1743-1744-1745-1746-1747-1748-1749-1750-1751-1752-1753-1754-1755-1756-1757-1758-1759-1760-1761-1762-1763-1764-1765-1766-1767-1768-1769-1770-1771-1772-1773-1774-1775-1776-1777-1778-1779-1780-1781-1782-1783-1784-1785-1786-1787-1788-1789-1790-1791-1792-1793-1794-1795-1796-1797-1798-1799-1800-1801-1802-1803-1804-1805-1806-1807-1808-1809-1810-1811-1812-1813-1814-1815-1816-1817-1818-1819-1820-1821-1822-1823-1824-1825-1826-1827-1828-1829-1830-1831-1832-1833-1834-1835-1836-1837-1838-1839-1840-1841-1842-1843-1844-1845-1846-1847-1848-1849-1850-1851-1852-1853-1854-1855-1856-1857-1858-1859-1860-1861-1862-1863-1864-1865-1866-1867-1868-1869-1870-1871-1872-1873-1874-1875-1876-1877-1878-1879-1880-1881-1882-1883-1884-1885-1886-1887-1888-1889-1890-1891-1892-1893-1894-1895-1896-1897-1898-1899-1900-1901-1902-1903-1904-1905-1906-1907-1908-1909-1910-1911-1912-1913-1914-1915-1916-1917-1918-1919-1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288

- August 7, 1947 Macdonald forest^{Ore} - 2 young observed perched on the lower limbs of a fir in the heart of a fir forest on a hillside. The heads were barely colored. They would fly only a short distance before alighting.
- Aug. 9, 1947 Peoria Ferry^{Ore} - sailing over, and 2 seen in tops of tall snags, with wings extended in sun-pose.
- Aug. 22, 1947 Bellifountain-Philomath^{Ore} - I saw a few circling over the area, and also 27 were perched either on the ground or on fence posts, all lined up along the fence line up the hill.
- Oct. 28, 1947 12-mile Swamp^{Ore} - one circled low over us. Its immature bird with its head. Very late migrant - late date record for the state of Oregon.
- Mar. 9, 1948 12-mile Swamp^{Ore} - 1st of the year - 3 birds seen, all going north, slowly. None over 50 feet above ground.
- March 27, 1948 Oak Ridge, 2 mi. N of Corvallis^{Ore} - 5 circling together, and 1 lectail circling above them dive-bombed them as they approached the vicinity of the lectail nest site.
- July 8, 1948 12-mile Swamp^{Ore} - 100 m. seen all over this tract. 10 or 11 vultures, circling in small groups of 2 to 7 or 8.
- July 23, 1948 North Umpqua R., below Linch Star bridge^{Ore} - 100 m. seen all over this road.
- Sept. 25, 1948 Grey Lodge Refuge: none seen on way up here, and none seen till about 930 a.m. Many seen over area. Two feeding on dead jack rabbit.
- Sept. 26, 1948 Folsom Dam Site: scattered individuals that soon bunched in one thermal with others - 10 of them and one Redtail. The redtail made passes at a couple of them, so they headed due south in a broad front. About 2 miles south they hit another thermal where they joined more vultures. There were 27 of them in this thermal. Other individuals seen over area all morning.
- Oct. 3, 1948 S. of Placerville: ^{Calif.} 60-70 circling in 2 groups, moving south
- Oct. 4, 1948 Nevada - not a single one seen all day.
- Oct. 15, 1948 Nigger Hill, El Dorado Co: ^{Calif.} 26 circling in tall spiral to the south over open ridge at 1130 a.m.
- Jan. 8, 1949 Gray Lodge Refuge: ^{Calif.} one circling over range area just SE of the refuge at 930 a.m.
- Feb. 6, 1949 Gray Lodge Refuge: ^{Calif.} at least 10 or 12 in area. Plenty of food in dead ducks and geese (mostly snags)
- March 12, 1949 Sacramento River south of Sacramento: ^{Calif.} 30 or so circling in 2 groups northwest
- April 11, 1949 Jefferson Jet. New U.S. 99E, N of Albany, Oregon. - Many vultures circling over this area at 1:45 p.m.
- August 21, 1949 U.S. 99, N of Pitt R. Bridge over Shasta Lake, Shasta Co, Calif. - 5 p.m. 40-50 circling over McCloud R. valley, & moving southward, slowly. Rather early to be migrating. Perhaps feeding.
- Sept. 2, 1949 - N. of Chilquinn, Klamath Co., Oregon - 7 seen at 930 a.m.
- Sept. 11, 1949 - 43 mi N. of K. Falls Oregon - 25-30 at 11 a.m.
- Sept. 21, 1949 - Dr. Perry Reiche, U.S.B.P. Zoologist told me that Aug. 16-20 he observed vulture mating activity on the flats west of Mendocino, Mendocino Co, Calif, on the NW coast. He saw them each day, once at only 75' distance. One group of 7 were on the ground in a 30' circle, 2 were mating, with ♀ (?) completely spread - sagged. Some sort of dancing was occasionally done by the birds. Could they be nesting for a southern nesting.
- October 13, 1949, Lower Butte Sinks, N of Meridian, Sutter Co. ^{Calif.} at least 250 circling over thermal of large brush fire.
- Nov. 16, 1949 Black Butte Reservoir Area, S. Tony Cr., Tehama Co. ^{Calif.} none seen until after 930 a.m. and then a couple. By noon I found several perched in dead tops of cottonwoods and later in p.m. about 15 were circling over the area.
- Nov. 16, 1949 N of Butte City, Glenn Co. Calif. - about 45 circling in column of smoke from burning brush, at 4 p.m.

May 17, 1950 Black Butte Res. area, Tehama Co. Calif. 7 pairs, mostly perched one pair/cottonwood or sycamore. Observed one bird fully spread-eagled in the early morning sunlight, atop a sycamore.

Jan. 30, 1951 Near Thornton, S. Joaquin Co. ^{Calif.} Several seen - M15-30,3509.

Dec. 18, 1952 8:30 a.m. S of Franklin, Sacto. Co, Calif. 2 or 3 flying around - cold - 40°F

Apr. 19, 1954 Geysers Loop- Cloverdale-SE of Geyserville, Sonoma Co. Calif. 1/ gopher snake that was run over on road.

Feb. 21, 1957 Several along American R. bluff, Carmichael-Folsom, Delta Co. Calif. after stormy night.

Mar. 12, 1957 Many seen at Redding, California.

Feb. 25, 1959 U.S. Hiway 50, near Strawberry, Eldorado Co. Calif. 1 circling high with 2 white pelicans at same time in same direction 1130 a.m. PST. to W.

June 22, 1961 Bass Lake, Eldorado Co. Calif. 615 a.m. PDST. 2 in snag sunning selves
with wings outspread.

11-18
4-22-64 - 100' over Rock Creek area, near Shandon Hotel, Wood Lake 672m

1851-1852-1853-2226-2228-2229-2235-2236-2237-2241-2242-2244-2609-

Black Vulture
Coragyps atratus atratus

Feb. 21, 1951 Caterina, Dimmit Co. Texas - we knew these 6 soaring birds the moment we saw them. Sawed-off tail, and graying patches near wing tips.

10-17-62 - Conway Gap, Pa - 1 bc, circling + NE!! in mid-fm.

Swallow-tailed Vite
Elanoides forficatus

Matacurbe*Yor Targo below

May 20, 1965, Bear/Homestead Florida - one chased by Gray Kingbird.

May 21, 1965, Everglades NPK Fla - as many as 24 at 1 time. A thing of true beauty in flight.

6/7/74, in ...
... ..

957-968-984-1031-1043-1058-1069-1083-1183-1203-1256-1284-1290-1318-1321-1355-1371-1382-1390-1421-1544-1552-1557-1617-
757-1783-1804-1815-1819-1899-1961-1981-1989-2030-2036-2041-2056-2158-2166-2168-2169-2170-2206-2266-2273-2310-2312-2323-2325-2327-2345-2363-2362-2396-
1397-2406-2409-2411-2493-2580-2581-2633-

Elanus leucurus majusculus
White-tailed Kite

- Sept. 25, 1948 Grey Lodge Refuge, Gridley ^{Calif.} - first ones I have ever seen John Cowan took me to Porter's Pond where he knew they hung out. Seems they are quite sedentary in habits. The 1st one I saw was perched in the dead top of a $\frac{1}{2}$ -live willow with a Crow just 10 feet away, in the same tree. This bird soon flew low over the open area and ~~survived~~ upward to perch on a dead willow tree, where the mate was already perched. Their habitat, here, seems to be scattered willows and cottonwoods, with mostly open marshy, or dry land in which it hunts. John says that from food pellet analysis they eat about 95% Microtus. Their nesting site this year was at a height of 11 feet on the SE side of one small willow adjacent to another willow, these two then being in a large open area. The nest was of flimsy structure. John banded 5 young birds, the adults would dive at him, tho never hitting. In the afternoon, both birds were present in the same area, but soon left when I walked thru their area. I did not see them again. They look just like the Black-winged Kite of India, that I saw at Karachi in 1945.
- Oct. 2, 1948: Suisun to Grizzly Island Ferry ^{Calif.}: Pair flying over tule area below the hiway, as well as across the hiway over near barren hillsides south of the hiway. Watched a black-bird chasing one, and later saw them bantering with each other. Also watched them hover like the sparrow hawk.
- Oct. 2, 1948: Suisun State Refuge, Joyce Island ^{Calif.}: 1 hovering high over tules, but slowly lowering itself, while still hovering. Could have been one of pair seen along hiway in a.m. for it is only a mile or so away from the refuge.
- Nov. 20, 1949 - 3 mi. N. of Rio Vista, Solano Co. Calif - 2 hovering over field at 3 p.m.
- Nov. 5, 1949, Marshes northwest of Vallejo, Solano Co. ^{Calif.} one perched on a post in one of the salt marshes, there. Another nearby, hovering above the marsh.
- Dec. 6, 1949 Near Moss Landing, Monterey Co. Calif. about 2 p.m. we observed one hovering for 2-3 minutes without pause - observed for 5 minutes. Kept dropping lower all the time but made no passes. Would lose altitude by extending wings in a vertical "V" over back, thus slipping downward. Within $\frac{1}{2}$ -mile of new Steam Plant.
- Dec. 7, 1949 - Salinas R. between King City and Mot ^{Calif.} 5 p.m. - watched one hovering, and making passes in company with a marsh hawk.
- Dec 19, 1949 - Cottonwood Creek, Tehama-Shasta Co, Calif - 1 on willow snag downstream below hiway.
- Apr. 8, 1950, Lake Washington, Yolo Co. ^{Calif.} 11 a.m. - one hovering at 75', held altitude, and I saw that the center tail feathers were gray.
- July 18, 1950 - Walton Ranch, El Paso Creek, SE corner, San Joaquin Valley, Fresno Co. ^{Calif.} 1 seen about noon in cottonwood-willow area.
- Nov. 29, 1950, Near Lambert, Sacto. Co. Calif. 1 perched on wire lines 5 times, near market road. Gave "meow" call, too.
- Sept. 7, 1951 Lake Washington, Yolo Co. Calif. 4 seen this a.m. - flying, and perched in willows at edge of lake. All seemed to be in full plumage.
- Jan. 29, 1953 - about 5 miles due west of Tudor, Sutter Co. Calif. 9:30 a.m. PST. Clear, calm, and not cold. Along a dirt-gravel county road paralleled by willows + trees Ralph Imler and I found 4 kites - evidently 2 pairs perched atop the willows or flying about and over them. Observed 2 of birds to head off from tree-top level, one behind and lower apparently chasing the other-the two climbed steadily to altitude of 150-200 feet where "trailer" finally caught up to "leader" and I observed "trailer" to mount the back of "leader" for a few moments, perhaps only 1-3 seconds and then they separated, calling, and I watched each pull wings in close to body (tho not closed) and dive at about a 25-degree angle from perpendicular to tree level where they alit. During 10-15 minutes we also observed individuals to "float" slowly downward to tree-top level from heights of 75-100 feet. Wings spread in broad "V" over back and with feed extended straight downward. Drop was not exactly vertical, but somewhat on angle. They also used hovering flight sometimes. Most interesting flight was horizontal over field at 60-80 feet with wings in "V" over body, with only very tips of wings beating rapidly - no inner wing movement.
- 4-7-53 17 mi N of Sacto along river - 1 ad. being chased by crows

March 3, 1956, Excelsior Road, Santa Co. Calif. 1 in stubble field, 1 on
itself to ground by rapidly blotting. 1 on ground, 1 on fence.
May 27, 1956 - 1 over stubble field, 1 on ground, 1 on fence, 1 on
stubble field.

Nov. 22, 1958 - 1 1/2 mi N of Rio Dag, California

Feb 25, 1960 - Sheldon, Santa Co, Calif. 1 adult near Excelsior Rd

Feb. 18, 1961 - 2 mi W of Santa Rosa, Sonoma Co. Calif. 1 per W.T.L. house + "V" down to ground.

Oct. 4, 1961, S. Fork, Mokelumne R., opposite Sycamore Slough, 2 miles above Terminous,
San Joaquin Co. Calif. Dale Crane saw and counted 17 white-tailed kites
on a small island at this location.

December 9, 1961, 6 mi. W of Yuba City, Sutter Co. Calif. along S.S.H.20.
3 kites over stubble field.

May 23, 1962 U.S.40 Jct. with Fairfield, Solano Co. Calif. 2 over orchard at 8:20p.m. PDST

Jan. 30, 1966, 1/2 mi E of Davis, Yolo Co. Calif. 10 C. r. n., after dark. 10 kites come
to night roost, plus 12 or more in view during hour of dark in field
in Yolo and Sacramento Counties.

5/20/74 Along 49101, 7/10 mi S of McVicker + N of Cloverdale at "grass".

Observer Fred L. Ivenden, Jr.

Goshawk

~~Accipiter atricapillus~~

Number of field notes: 423-425-426-720-916-1022-1287-1978-2262-2332-2349-2414-2560-

| Date | Location and observations |
|---------------------|---|
| August 12, 1946 | Indian Ford, Eschutes Co. ^{Or.} Saw one come in through the camp area fast, and it caught a <u>Calio</u> just like that. It was a young <u>Calio</u> . |
| Aug. 3, 1949 | Bass Lake, Inyo Co. Calif. One chased a gray crow, but missed. Forest was very still afterwards. |
| May 30, 1953 | 5 p.m. 1 full male took a yellow-headed blackbird at the Lone Beach Marsh SW corner of Lake Tahoe in view of all of us. It and others set up terrific commotion. The hawk carried the bird directly west across marsh to pines. |
| October 24-28, 1954 | Inyo Co. near Keller, 12000 ft. One noted in the area. (See notes?) |

Observer Fred Evenden, Jr.

number of birds banded in 1943:

Sharp-shinned Hawk

11-36-65-75-92-94-104-131-134-150-161-168-178-184-197-199-200-202-205-210-212

256-258-261-263-266-274-276-277-278-297-328-338-349-357-364-463-

420-475-508-523-528-529-543-548-584-627-639-645-648-655-676-702-705-727-744-751-762-763-

1348-1353-1354-1367-1375-1382-1388-1391-1392-1427-1449a-1463-1466-1506-1511-1792-1800-1802-1824-1858-1861-2104-2111-2251-2317-2320-2368-

Date Location and observations

Sept. 17, 1942

Woodburn, Oregon. One sharp-shinned hawk seen in the yard. It was perched on a branch of a tree and was looking at a flock of robins. It then flew down and caught a robin and carried it away.

Oct. 21, 1943

Woodburn, Oregon. One sharp-shinned hawk captured a Robin + carried it away from our yard.

Nov. 14, 1943

Walla Walla, Wash. 8 a.m. temp. 32° - very foggy. One flew to the ground under a lilac bush and stayed there a few seconds before flying up into the bush. He was not after prey, but might have been.

Dec. 3, 1943

Walla Walla, Wash. - along Columbia R. - saw one trying to catch a House Finch.

Jan. 18, 1944

Walla Walla, Wash. 8:45 a.m. a sharp-shinned hawk lit on the top branches of a 50' tree + I watched him from my window, about 125' away. At a few moments, he made a jump for a Foxglove bush in our yard, where a group of robins were gathered. He was looking at them, but did not get them. He just sat in the tree + looked at them. I wrote this to bring out the hawk's interest in the robins. Last part I saw! I wrote this to bring out the hawk's interest in the robins.

July 29 1944

McCall, Idaho, along Payette river. Saw one carrying a young robin away.

May 17, 1947

Marion Oregon - saw one carrying a Vaux Swift, and being chased by 3 others.

June 5, 1947

Stewart Lake, Ore. saw one chasing and diving at a circling Red-tailed Hawk.

July 20, 1947

Hamline Swamp, Ore. One hawk over the swamp, chasing a group of robins.

Aug. 1, 1948

Broadacres, Marion Co., Ore. 7:30 p.m. M. Dove chasing one of these.

Oct. 19, 1949

Hogan Res., Calaveras Co., Calif. made passes at violet-green swallows several times, but failed to make a catch. Swallows gave alarm notes at its approach.

Sept. 9, 1951

Manzanita Lake, Lassen N. P. Calif. About 9 a.m. I saw a white-headed woodpecker fly out from the top of a very tall Jeffrey Pine and chase a sharp-shinned hawk, even tho the hawk had not come close to the tree in which the woodpecker was working.

12/27/54

Wood Lake, Mendocino Co., Calif. Chased by Sharp-shinned Hawk

5/1/55

West Canyon, Clear Lake, Contra Costa Co., Calif.

Just below the canyon rim

Went in morning line 9:45 a.m. looked at 9:45 a.m. in canyon

Below ridge of 1st Colimate ridge

Below ridge of 1st Colimate ridge

Observer Ired E. Livenach, Jr.

Number of individuals observed

Cooper's Hawk

2-7-19-22-29-31-44-45-50-64-96-142-143-144-146-149-161-192-199-296-297-352-435-
444-451-471-475-485-491-501-585-603-629-649-657-665-697-719-720-734-743-761-766-772-
794-799-809-808-817-821-880-884-889-890-891-893-900-929-939-957-958-979-980-984-994-997-1006-1031-1043-10294-
accipiter cooperii 1076-1115-1132-1163-1164-1180-1194a-1247-1281-1352-1359-1385-1392-1422-1419a-1480-1508-1544-1584-1688-
2596-2651-57-85-93-2699-1693-1770-1836-1839-1840-1850-2000-2013-2106-2124-2242-2271-2326-2339-2398-2440-2558-2566-2581-

Date Location and observation

- April 26, 1941 Only 1 seen. v. m. 10⁰⁰ a.m. at the edge of the brush area. It was seen to fly over the brush area and then to the ground. It was seen to fly over the brush area and then to the ground. It was seen to fly over the brush area and then to the ground.
- Jan. 18, '48 12-mile Swamp, Bruce S tation: ^{OR} flushed one bird from the ground in the midst of a Sweetbriar thicket - its prey was a hen pheasant with the head and entrails gone.
- Sept. 25, 1948 Grey Lodge Refuge: ^{OR} one adult flushed from the ground at the edge of the road. We could find no prey, but we did flush a covey of Valley Quail, which it may have been after.
- Oct. 13, 1948 Folsom Res. Site, Calif: 3 seen. One persistently chasing flicker, but the hawk lost out in the oak brush area.
- Oct 19, 1949 Whiskey Creek, Calaveras R & Calaveras Co, Calif, 1145 a.m. - one in the oak & pine woodland.
- Dec. 11, 1949 Folsom Res. area, El Dorado Co. ^{Calif} 3¹⁵ p.m.
- Jan 4, 1950 4 mi S of Corning, Tehama Co, Calif - 8¹⁵ a.m. One observed in open country near a small row of Eucalyptus trees.
- Oct. 4, 1953 Santa Rosa, Calif, to 3 at 1030 a.m. 3 coopers circled together.
- Dec. 5, 1954 Folsom Res. area, El Dorado Co. Calif. 1 at 1030 a.m. 2 fresh-killed flicker away.
- April 23, 1958 One seen S of Monticello Dam, 6 p.m. PST. Calif.
- Sept. 10, 1961 Lassen Peak Trail, Shasta Co. Calif. - 1 along trail at 9,800 ft. elev.
- 6/24/79 Nagaike Country Club, Scott, Ariz. Adult seen at 10⁰⁰ a.m. in willow

- May 10, 1947 2 miles N of Corvallis: ^{one} a pair were located circling over the hill area, and their nest was found at 75 feet in a more or less isolated cottonwood, on an open southeast-sloping hillside. One young was reported in the nest last week, with a garter snake and 2 moles were in the nest, too. One dead egg, partly along.
- May 27, 1947 Faling Estate, west of 12-mile Swamp: ^{one} one pair circled constantly over one butte-like hill, and were observed in courting acts, once.
- June 5, 1947 Stewart Lake, ^{one} Watched Brewer Blackbirds and Sharp-shinned Hawk both chase a high-circling Redtail Hawk.
- August 7, 1947 Coffin Butte, near Camp Adair, 11 a.m.: several circling low over the summit of the butte. Didn't look exactly like Redtail, and had immature plumage, characterized by prominent dark head and throat, with sharp demarcation between neck and chest, which was light.
- Nov. 18, 1947 Hill south of Salem: ^{one} one pair circled over the hill, and were observed in courting acts, once.
- March 26, 1948 Oak Ridge, 2 mi. N of Corvallis: ^{one} a pair circling over the ridge above me, crying at short intervals. They kept this up all the time I was clambering over the ridge, and finally they came closer as I went down an open slope, one of the birds setting its wings and swooping in from at least 1/2-mile away, but pulled out and hovered about 50 feet above me, screaming all the time. I suspected a nearby nest, but couldn't spot one, so sat down and waited, watching the two hawks "talk to each other" with a set of notes (barking-like) entirely new to me, as they made partial contact, but they eventually circled way up and went over the ridge, and then I happened to look below me, and there was the nest. In a clump of ash and alders on a flat ledge at the very base of this steep open slope was the nest, about 45-50' up in an alder (about 22" DBH). As I was above the nest I could see something white, but it was so far away I couldn't tell if it was a downy young, or eggs. I will check later with more powerful glasses. The parents were not in the area all the rest of the time I was there.
- March 27, 1948 Same: the two chased off the vultures, and soon a third Redtail joined them and they circled and sailed around, but no conflicts ensued -- they all moved west over the ridge, and we climbed the hill above the nest, but even with 32X magnification we could detect no eggs, or young. Inasmuch as courting activities were observed yesterday, perhaps nesting has not begun for this pair.
- April 5, 1948 1/2-mile N. of Adair Village, Benton Co. ^{one} checked a nest at 45 feet in a maple on a north slope, at the lower edge of the oak and brush belt, 1/2-way up the slope. No sign of life, yet. In this clump of maples was one dead snag, riddled with large holes. In the very top, some 18 feet up, was a nest of living squirrels. We saw 3 of them.
- Sept. 19, 1948 Natoma, below Folsom: ^{one} immature seen. Nest at 30' in live oak.
- Sept. 25, 1948 Grey Lodge Refuge: ^{one} quite a few in the area, mostly immatures. John shot one last week that was preying on pheasants. We flushed an immature that had just killed a hen of the year (bursa still prominent). Talon puncture in thigh and back. It had begun to feed on the neck, just behind the head.
- Sept. 28, 1948: Bear Dam Site, Mariposa Co. ^{one} a couple seen. Nest in Populus fremontii at 35' or so. Isolated tree near creek bed.
- Oct. 3, 1948 12-mile Swamp, Bruce Sta, Benton Co, Oregon: one was perched on a telephone pole along the railroad track. Around this bird on the wires were 150 goldfinches apparently unconcerned about the hawk.
- Nov. 2, 1948 Boca Res. Nevada Co. ^{one} 2 observed perched on very low sagebrush on north side of Prosser Creek valley below Hobart Mills. Birds were within 100' of each other. A strong wind was blowing.

- March 5, 1949 Bass Lake, El Dorado Co. ^{Calif.} several seen, utilizing up-currents along N-S ridges, hovering in one spot. Saw one perched on top of an oak, while another was high above, doing the looping love dives described other year.s.
- May 21, 1949 Coast S. of Pt. Lobos, Monterey Co. ^{Calif.} several pairs - flushed one second-year bird from the ground. Its "crop" was full and bulging - we found the rear 1/3 of a gopher snake near Salpaso Creek, which it had left on the ground. It seemed to be a fresh kill.
- June 11, 1949 Corvallis, Oregon - adult hovering over field of small hay stacks, like a sparrow hawk, and then plunged about 35 feet to the ground, and when I next saw it, it was just sitting there, and I don't know if it caught anything, or not.
- June 21, 1949 S. Fk. Humboldt R., near 10-mile Creek, Elko Co. ^{Nev.} at 3:30 p.m. I found a F circling close to us over a high rock outcrop just up stream from the mouth of 10-mile Creek. 2 nest sites on E slope of pinnacle outcrop, within 6 feet of each other. Took pics. Lower nest piled 3' high and used this year. I found 2 young birds perched on a small sagebrush about 50 yards uphill from the nest sites. They were on a west slope, exposed to strong N winds this p.m. They were both open-mouthed and "drilling" from their mouths down the tip of the lower bill. As Ian Slater moved in to take a pic, one young flew, ending up in tall sage growth at the edge of the river 40 feet below and over 1/2-mile away from the perch it left. The other young didn't care to fly, and pictures were taken as close as 1' away. I captured and banded this young (#54-632488) size 7b.) One freshly killed young jack rabbit, still warm, was found about 20 feet from the young. Heard patches on rock outcrops had many pellets scattered about, indicating that cottontail and jack rabbits make up a good share of the adult's food in this area. I gave the young rabbit to the remaining young hawk, but it paid no attention to it. Young had rich, plain tawny brown area on chest, and was heavily blotched below with dark brown.
- Feb. 2, 1950, Folsom Dam Site, Sacramento Co. Calif. - pair doing courting dives at 1300
- Feb. 8, 1950, Eugene-Milton, Calaveras Co. Calif. several seen, one of which was nearly white-headed, and very light-bodied, but with dark wings, and a red tail.
- Feb. 20, 1950 - Lincoln, Placer Co. ^{Calif.} one flicked wings a bit, and another strongly when I honked the horn at it. Saw another carrying a huge stick into a large oak.
- Mar. 27, 1951 SE of Lodoga, Colusa Co. Calif. 5 seen - one on nest at 25' in blue oak on steep east slope.
- Oct. 17, 1951, Eugene-Milton, Calaveras Co. Calif. 1 adult with light golden-tan head. See ob for Feb. 8, 1950, just above.
- Nov. 7, 1952 Lake Washington, Yolo Co. Calif. Watched one carrying a large, but dead rabbit from road. Had difficulty, flew low, and alit frequently, and as I pressed him in the car he dropped the load and circled away to return after I passed the quarry. Rabbit had been dead some time.
- March 26, 1940 - Sawies Island Oregon. 2 eggs in nest of dead sticks, making a large structure, 45' high in cottonwood. F flushed + landed close by. Eggs in nest.
- April 6, 1941 Sawies Island, Oregon. 2 eggs in large stick nest at 5' up in cottonwood - Cottonwood
- March 26, 1942 Sawies Island, Oregon. 2 eggs in large stick nest at 5' up in cottonwood - Cottonwood. Freshly killed. Saw rat in nest. Nest 70' in cottonwood. ♀ on nest. ♂ soaring above - Cottonwood.
- Nov. 7, 1952, Lake Washington, Yolo Co. Calif. immature carrying dead rabbit from road.
- Jan. 14-15, 1953 Observed several pairs courting in S. Western + Calaveras Cos. Calif.
- May 1, 1954 Sacto. River, below Knight's Landing, Yolo Co. Calif. 1F on nest in cottonwood.
- July 5, 1955 Sacramento Bypass, Yolo Co. Calif. Chased by crow.
- Feb. 25, 1960 SE Sacto Co. Calif. Sheldon-Wilton Ellipse area. Several pairs courting. 1 together this p.m.
- Mar. 10, 1960 Pt. Tamalpais, Marin Co. Calif. Watched one hovering above a tree. Flutters wings
- Feb. 18, 1961 Pt. Reyes area, Marin Co. Calif. pair courting.
- June 2, 1962 NE of Granite Bay, Folsom Res. Placer Co. Calif. 1 with gopher snake

Krider's Red-tailed Hawk
Buteo borealis krideri

Feb. 21, 1951 Carrizo Springs, Dimmit Co. Texas - head and shoulders almost white.

Red-tailed Hawk

11/20/74 - 2-3 birds seen in Carrizo Springs, Texas - head and shoulders almost white.

May 5-8, 1975 Morsors, Tucson. One came to telephone pole with young rabbit.

Earlier it had brought a copper snake.

May 20, 1977. 3 PM. Eds. Calif. Adult(?) on wire line. "Golden-capped" w/ yellow-buff body - beautiful! Joint ventral and horizontal line showed thru as a fine light.

5/3/80 - Plummer's Co. (10/11/80) - Chased by Red-shouldered Hawk.

Red-bellied Hawk

Buteo lineatus elegans

344-958-988-1008-1034-1041-1043-1044-1058-1069-1071-
1100-1111-1133-1191-1251-1256-1293-1367-1374-1375-1468-1478-1488-1546-1574-1915-1918-2035-2072-
2229-2224E-2225-2226E-2234-2241-2242-2310-2410-2429-2436-2458.

Folsom Res. Site, Calif: one being chased by 5 crows. It lit in cottonwood, and wasn't bothered any more.

Jan. 3, 1949 - W of Bitterwater, San Benito Co. ^{Calif.} one using small earth hummock for perch, on barren hillside near summit of pass.

Jan. 27, 1949 - Santa Margarita R., Camp Pendleton ^{Calif.} one perched in lower limbs of sycamore on west side of Deluz Creek - was a rich rusty-brown on chest, tail distinctly and heavily barred with black and white, and rusty-chestnut on back between wings; Wings seemed light brown, with white spots the length of the trailing edge.

Feb. 17, 1949 Redding - Red Bluff ^{Calif.} = 5 p.m. 1 seen along the road.

Jan 18, 1953 - Santa Barbara, Calif. one seen on summit of San.

Feb. 4, 1953 - Along C.S.H. 120 just NW of Stanislaus R. near Oakdale, perched in small walnut tree beside highway.

Feb. 21, 1953 - Several seen along River R. bluff - Carmichael to Folsom, Sutter Co. Calif.

Observer Fred Evenden, Jr.

Swainson's Hawk

Lumbered Bird Club

76-173-266-268-288-297-327-1012-1027-1032-1049-1052-1095-1182-1222-1821-1834-1843-1867-1868-1945-2014-2024-2064-2100-2106-2110-2252-2310-2529-2569-2588-2621-2671-1821-1834-1843-1867-1868-1945-2014-2024-2064-2100-2106-2110-2252-2310-2529-2569-2588-2621-2671-

Buteo swainsoni

| Date | Location and observations |
|----------------|--|
| Dec. 3, 1943 | Walla Walla, Wash. - along Col. R. - there were 3 of them that spent their time flying low over the ducks & geese on the river, but I saw no attempt to catch a duck. |
| April 24, 1949 | Franklin Ranch Sloughs, E of Courtland, Sacto Co. pair with newly-constructed nest in willow about 25' over slough. |
| June 18, 1949 | Lake Washington, Yolo Co. 8 a.m. one perched on ground in recently-cut alfalfa field where it captured a 50" gopher snake. When I walked out to flush it, it carried the writhing snake away. It lit 100 yards away, and when I flushed it again, Brewer Blackbirds pursued it 100 yards, while it still held on to the snake. It's flight was never over 6' above the fields. |
| Dec. 4, 1950 | Pixley Tulare Co., Calif. 1235 a.m. |
| May 14, 1952 | Pahranagat Valley north of Alamo, Lincoln Co. Nevada - 10 a.m. PDST. a pair with a nest in dead cottonwood less than $\frac{1}{4}$ mile from highway. Nest at height of 15-20 feet. One adult observed chasing a sparrow hawk. |
| May 12, 1952 | - Carson River - 5 miles above Fort Churchill, Lyon Co. Nevada - adult observed on nest in living cottonwood at elev. of about 40 feet. |
| Aug 22, 1952 | Near Elay, Sacto Co., Calif. |
| 7/26/54 | E of U.S. 395 200 ft, SE Tussen Co, NADP 6 near small group of scrub junipers in which were found 7 nests of all ages, from 18' above ground to 16 feet above, which was the tallest of the junipers. |

Buteo albonotatus

March 18, 1947, Bill Williams River Delta - Arizona:
 1 seen. Not a foraging hawk, but seems to stay put in trees a great deal of the time. Average arrival date. Old nest in dead cottonwood at about 40'. Thin nest. Call or scream thin and whining whistle. Did quite a bit of soaring when we flushed it. Up to 500' high. The bill gleams at a distance. Nearly black. Tail bands show well. Could be confused with a vulture if you couldn't see the tail.

Apr. 28, 1947 - Letter from Gale Monson
 where birds are now nesting.

Dec. 1, 1947 - Letter from Gale Monson
 Renesting failed, for reasons unknown.

Brood of 4
 6/14/48 - confirmed

Zone-tailed Hawk breeding along Colorado River.—Since the Zone-tailed Hawk (*Buteo albonotatus*) nests principally in canyons of mountainous country from central Arizona southward, a report of its breeding in the immediate valley of the lower Colorado River on the western border of Arizona is of interest. On July 13, 1946, I found a juvenile Zone-tail, obviously not long out of the nest, perched on a branch of dead mesquite in the Bill Williams River delta, Yuma County, Arizona. At my close approach it made no effort to escape, and when I reached to pick it up, its only defense was to spread its wings and open its bill. I tested its ability to fly by tossing it into the air. It flapped clumsily and came to an awkward rest on a near-by bush. During this time the parent birds were flying boldly overhead, uttering a shrill screaming, and frequently alighting in a large dead cottonwood near by. Upon scanning the cottonwood, I discerned a moderate-sized nest of twigs about 40 feet from the ground in one of the main crotches of the tree. Since there were no other suitable nest trees close by, this was undoubtedly the birds' nest. A thorough search (as thorough as the denseness of the brush would permit) failed to reveal the presence of more than the one juvenile, and from the actions of the parent birds I judged that there were no more.

The general area is an almost impenetrable jungle of dead mesquite (*Prosopis juliflora*) and rank arrowweed (*Pluchea sericea*), from which protrudes an occasional stark, dead cottonwood. Close at hand is a small beaver-dammed stream, flowing through the dead mesquite and arrowweed; further away are willow-cottonwood woodlands and towering cliffs. The nest tree is about half a mile from where the small stream of the Bill Williams River joins the waters of Havasu Lake (impounded by Parker Dam).

In this same restricted area, I had seen Zone-tailed Hawks before: on August 14, 1943, three (including one I thought to be a juvenile); on August 25, 1943, two; on September 7, 1943, two; and on May 29, 1946, one. (I did not visit the area in 1944 or 1945.) My latest fall record for the Colorado River valley is September 16 (1946), when I saw one along the Colorado River, about two miles southwest of Parker Dam, in San Bernardino County, California.—GALE MONSON, *Fish and Wildlife Service, Parker, Arizona.*

Observer Fred Evenden, Jr.

American Hough-legged Hawk

under of field trip in which observed:
481-551-111-167-173-223-999-1011-2008

Buteo lagopus sancti-johannis

| Date | Location and observation |
|---------------|--|
| Feb. 22, 1941 | Near Peoria: ^{Or} It was a male seen in the field. Red-bellied. General color brown with a graying to the upper part of tail. It must have had a wing-spread of 11 1/2 feet. |
| Jan. 17, 1943 | Corvallis, ^{Or} 17-mile swamp south of town.
One flew over the marsh and another was weaving in and out along a fence row trying to capture a Brewer's blackbird out of a flock. |
| 25 Aug '46 | Avery Park, Corvallis. ^{Or} Saw this one sitting on a snag over the Mary's River with Chickadees working the same tree, and under it was an Anthony's Green Heron perched on a log at the edge of the water. Soon the hawk flew downstream, and immediately after the heron took off upstream. It must have been scared to death. |
| Sept. 20, '47 | Greenberg Sta., Benton Co: ^{Or} The hawk reported to have been late 1st or 2nd year bird perched on a fence post in a field of prairie area, this a.m. When it flew, it emitted about 4 notes, and then a voice nearly motionless against the sky, like a sparrow hawk, and then the hawk for rodents below it. |

Observer Fred Benson, Jr.

Ferruginous Woodpecker
2651-2701-

Buteo swainsoni

Number of birds seen on each date:
~~2711-2712~~ - 2711 - ~~2712~~ 1021 - 2242 - 2772-2773 - 2539 - 2550-2554-2621-2622-

| Date | Location and observations |
|--------------|---|
| Feb. 4, 1953 | 3 mi E of Merced W. MA, Merced Co, Calif, NW of El Nido. 1030 a.m. Very light individual. |
| July 7, 1954 | NW of Parker, White Pine Co Nevada - same place. |

Short-tailed Hawk
Buteo brachyurus

May 21, 1965, N of Royal Palm turn in, Everglades NPK Fla. 1 dark phase adult chased
by Eastern Kingbird. - with sandy Corunt.

Harris Hawk

Parabuteo unicinctus harrisi

March 20, 1947 Colo. R. Indian Res. south of Parker Ariz: Watched one perched in a tree. Flushed as we approached and circled up to nearly 2000' and then another, the mate, before not seen, took off and circled up the same "cylinder" but not quite so high, and took off after the 1st hawk, to the north, and then, out of nowhere, came a 3rd one high and followed the other two. Field markings were visible up to a 2-mile away, at least. The bird is generally a sooty black color with a white-tipped tail, and a wide white band at the base of the tail, above and below. A coppery tint showed on the upper and reddish brown on the lower surface of the wings. Tips deeply fingered, and wings had a rather "shaggy" appearance. One Redtail soaring away with the 3 Harris Hawks.

Apr. 28, 1947 Letter from Yale Monson
Found a nest of 4 eggs at the Swamps N. of Tumbler on the N.W.

3/14/63 E of Alajusco, Co. Tex. 10-12 seen.

UNION OF FREE TRADE AND LABOR VIO

Golden Eagle
1779-1858, 2002-2015-2137-2300-2314-2321-2332-2437-2481-2523-2560-2569-2556-2570-2587-2618
14-16-48?-76-173-174-206-268-275-287-297-333-420-580-609-918-957
967-984-999-1011-1031-1033-1037-1043-1052-1071-1277-1368-1393-1417-1423-1448-1463-1515-1544-1673-1768

Date Loc tion and observations:
 June 28, 1940 from Kamela's Lake, Or.
 May 17, 1941 Tygh Valley: Or. female flew over nest in tall grass on top of about
 on a level with the road around the edge of the valley.
 February 28, 1948 Oros, Washington: Bruce Hill: 11:00 in the night very large
 Golden Eagle flew over and landed on the hill. It
 was only about 50 feet above the ground.
 Mar 31, 1944 Mtn. Home to Boise, Idaho Saw one flying slowly over a sage-covered
 hill and dropping suddenly to the ground. He flapped his wings after
 hitting the ground, but we didn't observe whether he got any prey or not.
 May have been a jack rabbit, as there are plenty in the area.
 Mar. 14, 1947 Monroe, Cal. - Loc. 1000, 1000 ft. saw one
 Apr. 5, 1947 Leadbetter Penin. Or. Willamette-Col Sloughs: immature (could also possibly
 be an immature Amer. Rough-leg Hawk). Dark brown with mottling below.
 Black tip to tail, whitish band inside it. Whitish underwings. Tail
 broad and fanned widely. Wings deep. Head appeared to be elongate and
 rather pointed.
 Sept. 25, 1948 Grey Lodge Refuge: Cal. 2 immatures (windows in wings, and with basal 2/3 of
 tail white, and prominent black band near tip). They soared over fairly
 low, one held onto the tail of the other for a moment. These are the
 first for the year, says John. They usually winter on Marysville Buttes
 a few miles due south of the refuge, and spread out over the area for
 food, which usually consists of Jack Rabbits.
 Sept. 29, 1948 Lingard to 10 miles SW of Merced, Merced Co. Cal. 1
 2nd year immature perched on fence post. Another found dead beside
 the gravel road 300 yards from the live one. The dead one was pretty
 light, with all flesh, etc. cleaned off, and bones quite dry. I'd
 estimate it had been dead at least a week or 10 days. Mate still
 staying close??
 Oct. 23, 1948 Grey Lodge Refuge: Cal. a pair cruising back and forth over the area previously
 occupied by the kites, which were not seen there today. The eagles would
 perch in low willows in open areas, or fly low to the ground, making
 passes at birds or mammals on the ground or in the air. I saw it pass
 at pheasants, coots, redwings, and mallards. None of the attempts
 were successful. They appeared to work as a team, one often being on
 the ground, with the other one working toward it in the air.
 Dec. 30, 1949 Hogan Res. Calaveras Co. Calif. 1 immature perched in cotton-
 wood snag near E end of reservoir - had light patches on cheeks
 within 200 yards of it I found where a white-breasted Canada
 Goose had been taken, with some wing and many coos of breast
 feathers scattered around.
 April 23, 1952 N. of Merced Res., Merced Co., Calif. 10 a.m. 1 young of last year on telephone pole - heavy fog this a.m. - it was
 Feb. 4, 1953 E of Merced Refuge, Merced Co., Calif. 1 young of last year on telephone pole - heavy fog this a.m. - it was
 9-28-55 S of Grass Lake, US 97, Siskiyou Co. Calif.
 3/12/57 Hornbrook, Siskiyou Co., Calif. 1 seen near highway
 3/7/57
 2/3/67 Farmington, N.M. - one flushed 100' of Quail on hillside

Observer Fred Evenden, Jr.

Northern Bald Eagle 2026-2197-2294-2448

Number of birds banded 10 0.001V=0
80- 274-281-510-515-566-567-743? -1037-1462-1779-1824-1826-1867-
3

Haliaeetus leucoccephalus lanedown

| Date | Location and observation |
|------------------|---|
| May 28, 1941 | Newport Bay: ^{one off} Vespertine, it was first I had ever seen. It perched on a tall building and its attitude very rapidly |
| Mar. 7, 1944 | Hot-Lake Oregon. Heavy bill. Head and shoulders mostly white, some brown. He was on the ground in a pasture that had some brush. Maybe it had a jack rabbit or other form of rodent. |
| February 1941 | White Lake, Ore. Sam Lohr - Dec. Lohr saw one sitting high in a tree. |
| February 4, 1947 | Faling Estate, Benton Co. ^{Or} 12 miles S of Corvallis. Two local men reliably report that a very large Bald Eagle has been present from time to time on the hill between the Faling & McFadden Swamps. |
| Feb. 28, 1947 | ^{Or} Fern Ridge Dam, Lane Co.; perched in top of a dead tree, on a point at the south end of the reservoir. While we watched a solitary Raven approached it, and flew at it, as if to chase it away, but the Eagle just sat there, and soon, the raven, which had lit next to it, flew away. The eagle was a male in clean dark brown and white plumage. |
| Jan. 5, 1951 | Pardee Res. Amador-Calaveras Co. Calif. at 1 p.m. I watched one full adult eagle harassing a flock of 18 coots in mid-reservoir. Only those coots on the pathway of the eagle's flight low over the water dove, and the eagle, missing, would wheel and make another run. Finally it flew $\frac{1}{4}$ -mile to shore and alit. |
| March 19, 1951 | Woodward Res. Stanislaus Co. Calif. 1 pair of adults, male in full plumage. F an immature? |
| Dec. 18, 1952 | Hogan Res, Calaveras Co. Calif. 1245PST. 2 adults in tall dead willow to east of dam, across reservoir. |
| Jan. 30, 1954 | Hogan Reservoir. 1:15 p.m. 2, in two trees, with nest below one, S of dam. |

Mtn. Home Reservoir - saw some of them doing perfect loop-the-loops.
Mtn. Home, Area II, south of town. observed dark and light phases doing
loop-the-loop dives. Flushed a female from the brush. Also, Joan and I
located a site where a pair are constructing a nest. It was the male, light
colored phase doing the building. We watched it carry nesting material
to it.

Circus hudsonius

Mtn

Apr. 21, 1944

Mtn. Home, Area II, ^{Site} On Apr 17 we first found this marsh hawk nest, led to it by the male, observed carrying nesting material to it. The nest is in a clump of old "reed or jointed" stemmed weed or grass. It is about 25 feet from a seldom-used farm lane and is about 150 feet from a gravel country road. When the hawk lands at the nest, it does so in plain view of the surrounding area. This site is located in an old abandoned pasture containing clumps of briar and the former described grass. Nearest water is over $\frac{1}{4}$ mile away, and it is a nearly stagnant ditch, about two feet wide. The hawks broke down and crushed the center of this clump for a nest site. The nest itself is about 10 inches in diameter and from $\frac{1}{2}$ " to 1" deep. Construction is sloppy or haphazard, and consists of dried stems of weeds and grass.

Apr 24 1944

Mtn. Home, Area II, Joan and I approached to within 8 feet of the nest, at which point the female (dark) exploded from the nest site and went away. The nest had been completed since last observed on Apr 21. The nest cup was grass lined. About 1" deep and 7-8" across. Quite neat, now. There was one egg in the nest (took picture) Egg was white, and bluntly oval. $1\frac{1}{4}$ - $1\frac{1}{2}$ " x 2" in size. 5:30 p.m.

Apr 26, 1944

Mtn. Home, Area II, Today the marsh hawk nest had 2 eggs in it. 2 p.m.

Apr 28 1944

Mtn. Home, Area II, Nest now has 3 eggs.

Apr 29, 1944

Mtn. Home, Area II, nest has 4 eggs. Flushed female from nest twice in a half hour (took a picture). It seems that an egg is laid every other day. Up to today it has been laid on the day between the days we have visited the nest:

| Apr. 17 | Apr. 21 | Apr. 24 | Apr. 26 | Apr. 28 | Apr. 29 | May 1 | May 2 | May 4 | May 6 | May 8 | May 10 | May 12 |
|------------|----------------------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| fully nest | nest maybe completed | 1 egg | 2 eggs | 3 eggs | 4 eggs | 5 eggs | 5 eggs | 6 eggs | 6 eggs | 6 eggs | 6 eggs | 6 eggs |
| May 14 | May 16 | May 17 | May 18 | May 19 | | | | | | | | |
| 6 eggs | 6 eggs | 6 eggs | 6 eggs | 6 eggs | | | | | | | | |

May 1, 1944

Mtn. Home, Area II, nest has 5 eggs in it (took Picture)

May 2, 1944

Mtn. Home - 5 eggs in the nest. The male was on the nest and stayed longer than the female would have, ~~X~~ as I approached. He made a lot of scolding notes as he took off and as long as I was near the nest or within 50 feet of it. All this time the female was observed to be perched on a fence post 200' away, while the male was taking over incubation duties.

May 4, 1944

Mtn. Home 5:30 p.m. Flushed female from nest containing 6 eggs. She stayed close and when I stooped to take picture, she set her wings and dove directly for me.

May 6, 1944

Mtn. Home. Flushed female from the nest again, this time there were still 6 eggs. Evidently all that are to be laid. Each day, she stays longer on the nest, as I approach.

May 8, 1944

Mtn. Home Female stayed on the nest longer this time and then never went over 10 feet from me while I was near the nest.

May 10 1944

Mtn. Home 4 p.m. The female stayed about 10 feet from me all the time I was at the nest and never over 15 feet high. She followed me all the way from the nest to 500-600' away. "Keeking" at me constantly; Finally she left me and went directly back to the nest. Evidently eggs will hatch in a few days. (??????).



my sent
to V. H. type
on 5-21-46

GENERAL NOTES

Nesting of the Marsh Hawk at Mountain Home, Southern Idaho.—On April 17, 1944, we spotted a male marsh hawk carrying nesting materials into a dense clump of weeds in an abandoned pasture a short distance from the south end of town. The site was in plain view of a well-traveled gravel road leading to some farms near by. The nearest water is more than a quarter of a mile away.

Upon further investigation we found a nesting site, partially completed, in this clump of weeds. When we visited it four days later, it seemed to be completed.

When we visited the site on April 24 there was one egg in the nest. The female was on the nest, as she was nearly every time the nest was later visited. Once, on May 2, the male was on the nest. At that time it contained five eggs. Several times when I approached the nest, both during the period of incubation and after the young were hatched out, neither adult was present on the nest.

The dates on which the nest was visited and the number of eggs found were as follows:

| | | | |
|---------------|--------|-------------|--------|
| April 24..... | 1 egg | May 1..... | 5 eggs |
| April 26..... | 2 eggs | May 2..... | 5 eggs |
| April 28..... | 3 eggs | May 4..... | 6 eggs |
| April 29..... | 4 eggs | May 19..... | 6 eggs |

During the period from May 20 to May 27, I was unable to visit the nest at all, but upon my return on May 28, I found three young and three eggs in the nest.

Remaining dates that the nest was visited, and the number of eggs and young found, follow:

| | | | |
|-------------|------------------|-------------|-----------------|
| May 29..... | 4 young ; 2 eggs | June 1..... | 5 young ; 1 egg |
| May 30..... | 4 young ; 2 eggs | June 2..... | 6 young |
| May 31..... | 5 young ; 1 egg | | |

From all indications, it would seem that the eggs were laid on alternate days, beginning April 23; i.e., April 23, 25, 27, 29, May 1, and May 3.

When I returned on May 28 and found three young and three eggs, the young were of varying sizes, thus indicating that they must have hatched as they were laid, with incubation beginning with the laying of the first egg on April 23. As four young were found on the 29th, it seems almost certain that the three other young had hatched on May 23, 25, and 27, in the same order as they were laid. The last three eggs to hatch substantiated this assumption. The incubation period for each of the six eggs was exactly 30 days, as can be gathered from the above facts.

By June 15 the oldest young had reached a size of 10 to 11 inches in overall length, with the wing primaries about 5 inches in length. Most of the body was still covered with down, however. By this date the entire nesting site and all of the weeds surrounding it had been thoroughly beaten down, and the birds would be found anywhere within 5 or 6 feet of the nesting cup proper.

I am afraid that both the young and adult marsh hawks met an untimely end, for when I returned to the nest on June 18, no sign of the young or of either of the adults could be found. Ranchers had been working in a neighboring field during the previous few days.—FRED G. EVENDEN, JR., *Oregon State College, Corvallis.*

Circus hudsonius

- May 12, 1944 Mtn. Home, Area II, Idaho. Still 6 eggs in nest. The female was not on the nest when we approached, but came soon thereafter. She stayed within 15' or so of the two of us all the time we were at the nest.
- May 14 1944 Mtn. Home, Area II, The female was on the nest. Just 6 eggs yet. None hatched. She stayed near all the time we were near the nest. No sign of the male.
- May 16 1944 Mtn. Home, Female still on nest. 6 eggs, not hatched yet. Female did repeated and continuous dives at us, pulling out within 2 or 3 feet of us.
- May 17, 1944 Mtn. Home, Idaho - the female was really fussy today. She dove at me repeatedly and came within a foot or two of my head, each time!
- May 18, 1944 Mtn. Home, Hawk stayed on nest till I was right at the nest. She dived on my head and circled over me calling and scolding. Eggs still not hatched - she stayed in the air scolding till I left the territory. (Joan)
- May 19, 1944 Mtn. Home 9 a.m. Hawks nest still with six eggs. hawk reacted the same as on the 18th. (Joan).
- May 28, 1944 Mtn. Home, Area II, Idaho. 5 p.m. The female was on the nest and when she took off, it was at me. She came uncomfortably close all the time I was at the nest. There were 3 eggs, and 3 young in the nest. The young seem to have hatched at intervals as variations in their size was evident. The body of the longest was $3\frac{1}{2}$ " in length. Eyes are open. Bill black, mouth pink. Natal down covers the entire body and wings. It is a buffy or pinkish cream in color.
- May 29, 1944 Mtn. Home. Today there were 4 young and 2 eggs. The newly hatched was about $\frac{1}{2}$ the size of the largest young. It could be they are hatching 2 days apart, as a result of being laid 2 days apart at the beginning. If this is so, the first hatched on May 23, the second on May 25th, and the third on May 27th, and the 4th definitely on the 29th. It so happens that egg one was laid Apr. 23, egg 2 on Apr. 25, etc., making exactly 30 days from laying to hatching. We'll see. The female was not at the nest, but came soon after I got to the nest. The young were peeping loudly, with mouths open. It was very hot and they may have been dry or thirsty. The male and female were 200 or so yards away when I got to the nest.
- May 30, 1944 Mtn. Home. The female was on the nest again at 3 p.m. as I expected, because we had intermittent thundershowers all day. One instance, we had .17 inch of rain in 30 minutes. This was 2 hours before I visited the nest. Again, she came straight at me, as I approached the nest. Still 4 young and 2 eggs in the nest, which helps to prove conclusions I made yesterday.

| | | | | | | | | | | | | | | |
|-------------|---------------|---------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|---------|--------|--------|--------|
| Apr. 17 | Apr. 21 | Apr. 24 | Apr. 26 | Apr. 28 | Apr. 29 | May 1 | May 2 | May 4 | May 6 | May 8 | May 10 | May 12 | May 14 | May 16 |
| ♂ Bldg. | Nest complete | 1 egg | 2 eggs | 3 eggs | 4 eggs | 5 eggs | 5 eggs | 6 eggs | 6 eggs | 6 eggs | 6 eggs | 6 eggs | 6 eggs | 6 eggs |
| ? ASSUMED ? | | | | | | | | | | | | | | |
| May 17 | May 18 | May 19 | May 23 | May 25 | May 27 | May 28 | May 29 | May 30 | May 31 | June 1 | June 2 | | | |
| 6 eggs | 6 eggs | 6 eggs | 1 young
5 eggs | 2 young
4 eggs | 3 young
3 eggs | 3 young
3 eggs | 4 young
2 eggs | 4 young
2 eggs | 5 young
1 egg | 5 young
1 egg | 6 young | | | |

- May 31, 1944 Mtn. Home. 11 a.m. Female on nest. 5 are hatched. One egg. The largest young is now about $4\frac{1}{2}$ " long. No feathers or quills. Still thoroughly covered with down that is a distinctly gray color. No sign of the male. Two of the females breast feathers were lying near the nest.

Circus hudsonius

- June 1, 1944 Mtn. Home, Idaho, Area II, 530 p.m. The female hawk stayed on the nest quite a while in fact, until I was right over the nest. I whistled all the time as I approached the nest. There are 5 young, of various sizes, and one egg !
- June 2, 1944 Mtn. Home. 530 p.m. .30 in of rain today. Water puddled on ground. Female again on nest and male came this time, when she started screaming. There were 6 young tonight. They appeared a little damp, because their pinkish skin showed thru quite a bit. Still, just down-covered; As the female jumped from the nest, the young were observed to be tumbled about. Evidently they were inside some of the female's chest and belly feathers, for warmth. The female made one very long glide-dive at me, after I had left the nest area, completely. Distance about 300 yards.
- June 4, 1944 0830 a.m. Mtn. Home. Female on nest, and she didn't see me till I got right on top of her. No feathers are present on the young, as yet--still all down-covered.
- June 9 1944 5 p.m. Mtn. Home Area II. SW10 r-. The female was huddled over two of them, but the other four young were just around her, and one was outside the nest. The largest is now $7\frac{1}{2}$ " long and stands a good 5" high. It is still completely down-covered, but the wing quills are 2" long, and the tail quills $1\frac{1}{2}$ " long. The head and legs are well developed. It even snapped its bill at me as I came close to it ! The female scratched my scalp with her claws on one dive she made today !
- June 15 1944 Area II, Mtn. Home 9 a.m. The female was about 600' from the nest, very busily engaged by pursuing Brewer Blackbirds, as I approached the nest. She came in a hurry, when I reached the nest, and proceeded to dive-bomb me vigorously ! It was a good thing I had a helmet liner on, because she hit it 3 times while I was at the nest. There were only two young in the nest, the youngest and the third from youngest, the others being scattered under the surrounding weeds. I got a picture of the two on the nest, with the larger scolding and defying my presence. Here is a description of the largest young bird: Body was 10-11" long, and still predominantly covered with wooly down of a dirt gray color. Bill is yellow on top, has a black tip and sides. Feet are yellow and $4\frac{1}{2}$ " long. Eyes are dark brown. The wing primaries are 5" long, and a dark gray-brown color. A few feathers and feather quills are present on the shoulder, and under the wing on the body. The head is $1\frac{1}{2}$ " wide and about 2" long. By now, the nest has lost all shape and form, the area in a 3 foot radius of the nest now being well-trampled down, and open. The birds can be seen from 3 different directions, as far away as 50 feet. There was no sign of the male being in the vicinity.
- June 18, 1944 Mtn. Home 5 p.m. Area II. Went to see how the young hawks were getting along, and not a sign of them around the nest. I didn't see any adult hawks in the area, either. I searched the surrounding brush and grass for 100 feet around the nest. Evidently the adults have moved the young, because I know that at least 3 of them couldn't fly ! How far did they move them? How? Why? Nice questions to be answered. Unless I accidentally run across them at a later date, this concludes the Marsh Hawk nesting study began April 17, 1944, just two months ago !

Circus hudsonius

- Sept 19, 1946, Poison Can Lake, Minn. Co. ^{Or} One male came in on a low glide, and circled over the lake at 1-300 feet a few times and then proceeded on. I believe this is the first I have seen since rejoining the service.
- Feb. 25, 1947 12-mile Swamp: ^{Or} as we approached the swamp, a single gray-white male was seen beating slowly northward against the wind, and while we watched, he left the swamp, and cruised over a field of weeds east of the swamp, just a few feet above the dead weeds.
- Feb. 28, 1947 Fern Ridge Dam, Lane Co. ^{Or} a single female flew low over a raft of baldpates and mallards, but they showed no alarm, and it made no pass at them.
- Mar. 11, 1947, 12-mile Swamp: ^{Or} a single male over fields near the swamp. Alit on the ground several times and just sat there, so far as we could tell.
- May 6, 1947, 12-mile Swamp: ^{Or} a female over the field east of the swamp, chased by Redwings, and Brewer Blackbirds.
- May 13, 1947 12-mile Swamp: ^{Or} none seen today, but I found last year's nest in the center of a clump of Carex oregonensis - a similar sight to the one found in 1942 (May 5).
- Sept. 10, 1947 12-mile Swamp: ^{Or} male was seen back on north over the swamp, making passes at the ground, in company with a hovering white-tailed kite. It was seen at 11 a.m.
- Sept. 10, 1947 12-mile Swamp: ^{Or} a single male at least 1000 feet over the swamp, making passes at the ground, in company with a hovering white-tailed kite. It was seen at 11 a.m.
- March 9 1948 12-mile Swamp: ^{Or} female or immature of last season over the swamp area. We saw them make passes at Redwing Blackbirds, M & F pheasants, and Green-wing Teal, but with no success. Except with the Teal, it wasn't at all persistent in following prey.
- March 23, 1948 12-mile Swamp: ^{Or} both M & F seen. Also found fresh kill of Coot at edge of water in pasture area.
- Mar. 25, 1949 Mills-Fair Oaks, Sacto Co. ^{Calif.} 1700. 4 or 5 pairs over the gravel-barrens. Watched one female or immature male doing loop dives of decreasing height with complete wing-over at top of loop.
- Mar. 26, 1949 Lake, Washington, Yolo Co. ^{Calif.} 930 a.m. F or immature doing looping dives, with wing-overs at top of loop.
- Sept. 27, 1949 Sacto-Franklin, Calif. one dipped desperately when I honked the horn
- Nov. 16, 1949 8 miles north of Butte City ^{Calif.} about 2/road mile - harvested rice area.
- Dec. 7, 1949, Salinas R., King City-metz ^{Calif.} 3 p.m. Observed one making passes at the ground, in company with a hovering white-tailed kite
- Dec. 13, 1949 Lower Lovelock Valley, Pershing Co. Nev. 445 a.m. Observed male one following behind a short-eared owl, and when the owl would miss, the hawk would make a pass at the ground.
- Feb. 20, 1950, Lincoln, Placer Co. Calif. watched a male cross hiway, and nearly run into electric wire line between poles, as it had to twist downward to avoid them.
- June 9, 1950, Yolo Bypass, Yolo Co. ^{Calif.} 1230 p.m. several seen, and 1F flushed from freshly-killed g-grown pheasant. Eaten.
- March 19, 1951 Woodward Res. Stanislaus Co. Calif. watched young male doing loops and dives of courtship.
- Dec. 13, 1952. Gray Lodge Refuge, Butte Co. 2 p.m. Watched 2 making repeated dives from 5-12' ht. at pheasants. Flushed 3 while we watched.

Feb. 14, 1953 - Chaves Co. New Mexico. Observed a few flying lengthwise along the highway at dawn (6:15 a.m. MST), 20 minutes before sunrise, which was at 6:40 a.m. Saw one alight, and drag "loot" from highway as we approached. Apparently have caught onto easy breakfast thru road kill of previous night.

Feb. 14, 1953, E of Plains, Yoakum Co. Texas. At 8 a.m. we saw a marsh hawk diving at a coyote in open field. As animal ran the hawk followed, swooping.

June 5, 1955, Sacto. Broass, Tolo Co. Calif. chased by in air the birds.

Feb. 4, 1956, Sacto. Broass, Tolo Co. Calif. 1 seen in air.

May 30, 1959, Carson Valley, S of Genoa, Douglas Co. Nevada - 350 a.m. DST.

2 nests, 3 5-week old young at one and 3 1-week old young at other - 150 yards apart. All 6 young banded and photographed, also setting.


2/4/67 - SW of Dulce, N. Mex. One in almost pure yellow pine area.

Observer Fred Evenden, Jr.

Osprey 1196 - 1275-1566-1567-1619-2043-2076-
2306-2322-2366-2410-2665-

Number of dives to 1000 ft. 1000 ft. dives:
83-167-331-337-602-607-609-754-857-869-877-893-923-924-971-1145-1175.

Pandion haliaetus carolinensis

| Date | Location and Observations |
|---------------|--|
| Aug 18 1944 | McCall, Idaho. Saw one this evening about 50 feet above the lake. It seemed larger than a Red-tailed hawk, and mostly white below. Wings bent like a gull. |
| Oct 10, 1944 | Kings Hill to Glens Ferry, Idaho, 10 a.m. to 3 p.m. Notes on one I observed from 1335 to 1415 this afternoon:
It came up the river, about 50 feet above the water, hovered, and dove out of sight into the water, before I realized what it was. As it came up, it seemed to have something in its talons, which later proved erroneous. The bird had its right foot deformed, either club, or otherwise. Just about the time it had shaken the water off its feathers it met a female Marsh Hawk, heading downstream, as the osprey flew upstream. Both birds made some high screeching or squeaking notes at each other, and the osprey gave way, and the female marsh hawk continued on in its intended flight, passing almost directly overhead. The osprey circled directly over me several times, but I didn't seem to bother him in the least! He circled around, and then hovered over a particular eddy, at the edge of the river. It hovered in such a position that its line of sight was 90° or directly crossing the rays of the sun to its right, and also so that it was "down-sun" from the objective in the water, thus not casting any shadow on the water. By this method of sighting and searching with those telescope-powered eyes, it eliminated reflection of the sunlight from the water.  Quite a strong wind was blowing. All dives were made upwind, or quartered into it. Dives were made at about a 60° slope from the water surface, and were usually started at a height of from 40 to 60 feet. Wings were only partially folded at the start of the dive, but becoming more folded as the dive progressed. They were closed, or folded tightly, just prior to the bird's contact with the water. Its entire body went below the surface for about 10 seconds. Then, using its wings to pull its body to the surface, and out of the water, it would fly just above the water, up-wind, shaking its body, tail, and wing feathers vigorously. After two un-successful dives, probably caused by having only one good talon, it flew to the other side of the river and landed in 4-6 inches of water. It did nothing but sit there, in the water for about two minutes, and then it started to bathe, using exactly the same motions that I have seen a robin use, in our bird bath, at home. This bath lasted for at least 7 minutes by my watch, and it was very busy the whole time. When it had finished, it just stayed in the water and looked around. A green-wing teal flew by, circled, and landed within 5 feet of the osprey. A magpie came down and landed on the gravel beach, just 2 or 3 feet from it. Evidently both of them thought it was a duck, or else were very curious! Oh yes, later on, I also saw it miss two other dives into that same eddy. |
| Apr. 22, 1947 | 12-mile Swamp, Corvallis. ^{Dr.} just before leaving Dave Marshall spotted a "hawk" (1645 PST) flying over the swamp. We saw it was an Osprey, and it was being chased by Redwings, and did a "snap roll" to evade them and continue on its northward course. Had a fair view of it. As it went over the north end, most of the ducks took off, and spread out in all directions. |

- October 21, 1947 12-mile Swamp: ^{Or} One seen circling in air over water at south end of the swamp, and while it circled it called several times. It was before heading to level air, it slightly curved - as if it were heading south, and immediately as it did, it dived. It was a great deal. It was from north to view, and it was at the altitude. When it found another bird circling south, it climbed on it, and it was south of the swamp. This method is described in *Diagnosis of Vireos* - 1st ed. of 1949 for the Swainson's Vireo (p. 117).
- April 20, 1948 12-mile Swamp: ^{Or} One down in sedges at south end. It dived and it gave 3 sharp "jeeps" and flew south a little before climbing.
- June 23, 1948 Cottage Grove: ^{Or} One seen "flashed" (called) - seen and located in front of swamp at height of about 100-150 ft. It was sailing, soon after this another called overhead, in the same direction, and then a immature bird, in crowd of birds, on the lake, and it called, and it was a result.
- July 28, 1948 Davis Lake: ^{Or} Flying with many other birds over the water. In the a.m. I watched one dive under the water and take a 12-15" fish and come up with a 9" fish, and then it flew over the water and it seemed to be over the water and over the water to the water.
- Apr. 24, 1950, Fel R. Delta-S end of Humboldt Bay, ^{Calif} 530 p.m. 1 pair carrying large clumps of what appears to be seaweed or eelgrass. Both birds circling in short-radius circles to gain altitude, and then they headed east from the south end of Humboldt Bay toward the higher hills to the east.
- Apr. 25, 1950, N. Humboldt Bay, near Samoa ^{Calif} 2 p.m. watched one dive below the bay water surface and take an 8-inch bay smelt, and then watched it escape from harassing gulls as it circled high over the bay and headed eastward toward the hills.
- March 23, 1952 *New Caspar, Mendocino Co, Calif. (C.S.H.#11). 9:45 a.m. Carrying 1 fish.*
- March 23, 1952 Rockport Bay, Mendocino Co. Calif. circling over bay area and mouth of creek - called with shrill whistle several times. Made two unsuccessful dives into bay.
- June 27, 1954 Pope Beach Spit, Lake Tahoe Calif. pair circling and fishing over marsh. Watched one carry 10-11" fish down the beach to nest we had previously located in dead Jeffrey Pine snag about 25' high. Never saw bird actually go to nest, tho it landed on limb near nest. Mountain Chickadees had nest at 10' height in same snag, on side away from lakeshore. We found several catfish and hardheads or other minnows all dry, and mostly headless, lying on the ground below the nest.
- Apr. 1, 1961 Bodega Bay, Sonoma Co. Calif. 2 feeding over bay area, would dive from 100' or so, take fish, fly to fence post, or even on mud flat or dry grassy knoll to feed. Fish to 15-16" or so. Watched gulls chase osprey from their catch. Took pics. Gulls took over fish.
- 9-20-64 *Geo West Parkway, near Turkey Run, Fairfax Co Virginia 2 Circling over Parkway w/ large fish 5 pm*
- Aug. 7, 1963 Canyon Jct. Area, Yellowstone N.P., Wyo. Rain showers - 2 at Alum Creek and Yellowstone R. above. Also pair with 2 young in nest on rock in cove at lookout point below Canyon Jct.
- 5/7/68 *Cedar Key Airport, Fla. Nest atop steel tower - 75 ft high. 3 + 1 young (2 eggs) present. 1 adult carrying stick in both legs, carrying w/ each foot. Many nesting across in backhous area.*
- 3/21/71 *E. Hancock, Va. 2 seen and 1 seen in same area.*
- 4/3/71 *To Chimney Rock, Va. - 1 seen carrying a fish.*
- Apr. 22, 1972 *Turkey Run, Va. 1 seen and 1 seen in same area.*
- Oct. 2, 1972 *King's River, Va. 1 seen and 1 seen in same area.*

Observer Fred Evenden, Jr.

Prairie Falcon

1823-1861-2001-2089-2101-2104-2114-2131-

Number of birds trapped for observation:

76-266-553-1012-1013-1233-1373-1405-1422-1462-1646-1654-1743-1745-1792-

Falco mexicanus

| Date | Location and observations |
|---------------|--|
| Feb. 12, 1949 | Nigger Hill area, between forks of Amer. R., El Dorado Co. ^{Calif} 1 seen about 3 p.m. circling southward in tight circles against the wind, without using the wings too much. |
| Oct. 8, 1950. | Toulon Sink, Humboldt Sink-Lovelock Valley, Nevada: 1 removed along pole line ahead of car at 30 mph and it was not using its wings all the time, either. Could perch atop a pole to rest, and then fly on as it approached. |
| Jan. 16, 1951 | W. of Sacramento, California |
| July 30, 1952 | 18 mi NE of Litchfield, Lassen Co, Calif. along U.S. 395. |

Observer Fred Evenden, Jr.

ORDER OF BIRTH OF THE DUCK HAWK

Duck hawk 76-87-268-501-543-545-457-984-1011-1014-1041-1049-1071-1129-1140-1201-1208-
2354-2311-2374-2388-2404-2442-2543-2546-2549-2628-
2554-2311-2374-2388-2404-2442-2543-2546-2549-2628-

Falco peregrinus anatum

| Date | Location and observation |
|----------------|--|
| Feb. 11, 1947 | 12-mile Swamp: ^{ore} a single dark phase flying low (50-60') over the open swamp. which I first called a Cooper's (by the size), but it very definitely was a large falcon, with the pointed wings, presumably of this species. |
| Sept. 25, 1948 | Grey Lodge Refuge: ^{Calif.} 1 flew over as we flushed some pintails. It made a fast pass at them, but they veered, and he didn't pursue further. His flight was very swift. |
| Oct. 23, 1948 | Grey Lodge Refuge: ^{Calif.} 1 in area made pass at cinnamon teal, but missed. |
| Nov. 25, 1948 | West Moreland Pond, Portland, Oregon: watched a dark duck hawk for some time disturb all the birds around the west pond. The baldpates on the lawn took to the casting pond. Domestic pigeons and pine siskins flew about with the duck hawk flying in and about them. The hawk did not take anything and finally flew over towards the east pond. D. B. Marshall. |
| May 21, 1949 | Coast of Carmel, Monterey Co.: ^{Calif.} pair in nest on cliff, but even after long search we did not find it. The female was larger and lower toned in color and voice than the male. All the time we were searching the cliff, both adults were crying, and circling against the thermals on a nearby west-facing cliff, sometimes coming over us. |
| June 23, 1949 | Levil's Gate Dam Site, N. Ek. Humboldt R., Elko Co. Nevada: nest at 2000 feet on east-facing cliff, above river. Nest in crevice, and I couldn't see into it, or reach it, tho I tried. Adults noisy. Found nest sites around nearby in similar places in the rock cliff. |
| Feb. 4, 1953 | E of Merced Refuge, Merced Co., Calif. 1 on pole line - rich blue-gray back. |
| Feb. 27, 1953 | E of Tatum, Lea Co. New Mexico. 2 p.m. 2 duck hawks seen. |
| Mar. 1, 1953 | N of Tonopah, Nye Co. Nevada - 9 a.m. 1 on snow-covered greasewood. |
| May 18, 1954 | Sierra Oaks, Santa Calif - 6 p.m. |

Observer Fred Vanden, Jr.

Number of field trips made: 1
566-567-

Peale's Falcon

Falco peregrinus pealei

| Date | Location and Observations |
|----------------|---|
| March 26, 1947 | Neahkahnie Mtn. ^{one} one adult bird circling over the mtn. by T. McCallister. |

Observer Fred Ivenden, Jr.

Black Pigeon Hawk

Number of field trips on which observed:
252-254-446-472-573-721-

Falco columbarius suckleyi

| Date | Locations and observations |
|----------------|--|
| Oct. 5, 1943 | <p>South Tacoma Swamp, South Tacoma, Washington.</p> <p>This is the first one I have ever seen. It was about the size of a sparrow hawk, the tail was square, and the body color was very dark. I'm not sure, but I think that there was some longitudinal striping on the underside. It flew low overhead, and then out over the open water in the marsh.</p> |
| Dec. 9, 1946 | <p>Corvallis, ^{Or} 1030 a.m. - seen in a magnolia or tang tree at both the VanBuren. It was, finally, looking into the tree to find altitude, and then it perched and sat a while, with the wind.</p> |
| Sept. 10, 1947 | <p>Land Mtn, 5500', Linn Co. ^{Or} - one flew in over us, and a pair of pipits and both birds headed into the mt. into the .55 cal. tree, and climbed higher and higher, just before the top, the pipit went to rest above the hawk.</p> |

Observer Fred Vonder, Jr.

external field name

Number of birds trapped: 1096-1347-2398-2523

Falco columbarius penicillatus

Date Location no. of birds

- Aug. 22, 1947 near Beal's fountain: one flushed from top of a pole by Lewis' cowpecker that wanted to light on the pole. This happened two times.
- March 9, 1948 12-mile Swamp: ^{one}a few singles, and I also observed a pair of them feeding together, or rather hunting, from about 30 feet and about 50' apart. In one instance, both birds headed for the same spot at the same moment, both alighting on the prey, but soon one flew from the spot, leaving the other with the prey. Sex was not determined.
- Apr. 4, 1948 Poison Oak L., Linn Co. ^{one}one at 30 feet over field, trying to buck a 60 mph wind, and losing ground. It had to drop groundward frequently.
- July 27, 1948 West side Klamath Lake, ^{Oregon}Ore.: nest in cedar yellow pine in road clearing - hole at 5 ft on east. Adult male and female at nest.
A second nest in yellow pine at foot of same. Male and female up on south. A young bird nearby. He lit red one. One young bird returned to the first hole, too.
- May 19, 1949 Farmington Res. Site: ^{Calf}flying along, and did snap-roll-drop when I honked the Chevy horn. 3 times repeated on it.
- June 18, 1949 Yolo By-pass, W of Sacramento, Calif. one male being chased from tall willows by Brewer Blackbirds and Bullock Oriole, both of which were later seen to be carrying food to young in their nests.
- Nov. 6, 1949 Tomales Bay, Marin Co. ^{Calf}4/miles of road.
- Nov. 16, 1949, 8 miles N of Butte City, Calif. - about 3/mile of road
- Jan. 3, 1950, Woodland-Maxwell, US99-W, Calif. observed a sparrow hawk make a pass at a recently-killed horned lark in the middle of the highway just as we approached making the hawk veer off, and loop back over the highway, and after we passed, it looped back around, and scooped up the horned lark and flew off with it - the hawk was first observed at least 150' away from the bird on the highway, and there was no lost motion in moving directly for the bird, and in making the 1st pass, and second catch.
- Sept. 13, 1950 Elk Grove-Lodi, Calif. one sparrow hawk being chased by 8 Brewer Blkbbs.
- Nov. 29, 1951 Sacto R., near S. F. ^{Sacto}Sacto. Chased by 10-12 Red-winged Blackbirds.
- May 30, 1953 S.E. end of Lake Tahoe - an immature hawk lit on ground in pasture and was mobbed by Brewer Blackbirds.
- Feb. 28, 1954 S. Fork American River, near Mormon Island, Eldorado Co. Calif. Nest in cottonwood, 2 birds about.
- Aug 28, 1954 S. Sacto Co., Calif. U.S. 99 E to Wilton. Flying 40 kts. trap w/ mouse in wire cage brought male sp. hls. in from 110 yds and 25' and 60 yds and 20'.
- May 12, 1955 Carson City, Nevada. Chased by robins.
- Dec. 26, 1955 Sacramento to Grass Valley, Yolo Co. Calif. Chased by 10-12 Red-winged Blackbirds.
- Aug. 6, 1955 Lake Tahoe, Calif. Chased by 10-12 Red-winged Blackbirds.
- 2/4/56 - 3/mile mile - Tomales Bay, Calif.
- Oct. 28, 1956, S. Sacto. Calif. Hawk chased by and killed 10-12 Yellow-billed Cuckoos.
- June 9, 1957 Garden Highway and Elverta Road, Sacto. Co. Calif. Many seen, along with several noisy family groups, especially among cottonwoods along Sacto.R.
- Novem. 17th, 1958 Sacramento-Thornton, Calif. During wind and rain, several perched on wires along road or on road and held wings outspread as if exposing as much feather as possible to water and wind during the height of the storm.
- April 26, 1960 Long Creek Jet. with White-throated Sparrows, Calif. With a nest at 10' in a tree. 2 adults and 2 young.
- June 17, 1960 - Pope Beach State Park, Lake Tahoe, Eldorado Co., Calif. Hawk called by a flock of redwings.
- July 28, 1960, Carnelian Bay, L.Tahoe, Calif. F and young calling from hole in pine snag.
- June 22, 1961, Woodland Highway, Yolo Co. Calif. 2 adults feeding 2 2/3-grown young on willow stub, near home.
- Sept. 10, 1961, Lassen Peak trail and summit, Shasta Co. Calif. 1 at 9300 feet on trail, and 2 over peak at 10,470 feet.

Green Heron

13

6/15/62 - 2 young in nest at Lick St. + Marshall St. in Carmichael Calif.
2'2, juv.

Aug. 12, 1962, Davis Saver Field, Yolo Co. Calif. very common singly and in family groups ye

Observer Fred Evenden, Jr.

Sooty Grouse

Penstemon fuliginosus fuliginosus

Number of birds seen in each year:
85-151-172-175-211-333-370-382-393-403-408-417-421-425-475-
598-598-605-617-623-641-642-649-653-672-686-693-784-849-863-866-
879-1114-1158-1160-1161-1178-1185-1186-1219-1696-2257-2315a-2769-2912-2965-2971-

Date Location and observations

- June 13, 1946 Berry Forest Camp, on N. Santiam R., below Letroit. Eldon and I came upon a female Blue Grouse perched in a small tree, and we flushed 6 young. Perhaps there were more, but we couldn't find them. The young were not over 6" long, but flew well, and fast, for 50 feet or so at a time.
- July 7, 1946 Abiqua-Silver Creek Bridge, 10 a.m. Seen frequently in the road, going in.
- Dec. 24, 1946 Goose-Clear Lake area north of Salem. Spotted one in the branches of a hazel bush, and approached within 15-20 feet of it, but it still didn't fly. I did not approach closer.
- Apr. 12, '47 Abiqua-Milk Panch Area? several heard hooting this p.m.
- June 14, 1947 Macdonald Forest - none heard hooting, but on the way out, one walked ahead of the car for 10 or 15 feet and flew-jumped up on the bank beside the road where it watched us, and then non-chalantly walked on a few feet further, just like a tame chicken.
- July 12, 1947 Macdonald Forest - flushed 6 immature birds from the edge of the road.
- August 7, 1947 Macdonald Forest - 2 adults and a young flushed from the gravel road at 8 a.m. Young were nearly full sized, it seemed.
- Aug. 11, 1947 Macdonald Forest - flushed quite a few from the ground, and they'd enter a tall fir, and as I moved about would give forth a loud guttural cackling sound, that I haven't heard before. Ti bered ridgetops.
- June 9, 1949 Mary's Peak, Benton Co. Oregon 4 p.m. several singles, also 1 strutting male with 2 females on road. It flew with throat sacs still distended. Also a few half-grown seen.
- Aug. 20, 1950. Bumpass Mountain area, S of Lassen Peak, 8000' elev. Sierra Sooty Grouse in open area off trail above Helen lake - would only walk ahead of us, barely running at times - a true "fool hen".
- Oct. 15, 1952 Granite Creek-Cattle Mtn. area, Madera Co. 7000' el. flushed about 10 or 12 on ridge north of Cattle Mountain. Red fir and Jeffrey pine with understory of Ceanothus and chinquapin and huckleberry-oak.
- June 26, 1954 Camp Harvey West, Echo Lake, Eldorado Co. Calif. 1 F w/ 3 young on 9000' ridge N of camp.
- May 19, 1955 Grass Lake, Luther Pass, Calif. played with one up hill in woods by hooting and grunting, and getting answers from it.
- July 21, 1956 Whipp's Pass, Madera, 8000' elev. 1 adult and 1 young flushed from the gravel road at 8 a.m. Young were nearly full sized, it seemed.
- Sept. 9-10, 1961 Bluff Falls Campground, Lassen Nat. Park, Shasta Co. Calif. -3 - no full-plumaged males. Habitat of alder thickets openish underneath, with grass. As I approached they lay in open corn-lily meadow close to boulders 8" or more in height. Difficult to see them. Watched them feeding on tall grass heads. They had moved less than 100 yards in course of about 3 hrs during mid-day.

6/20/76
Sooty Grouse. Fred Evenden, Jr. 1946-1961
6/20/76

Observer Fred Evenden, Jr.

~~Gray joined 1955~~

Number of field trips to station : 10 V :

~~CONFIDENTIAL AND POLICE~~

late

Location and observations:

June 9, 1967, Riding Mountain Nat. Park, W. Manitoba. Canachites canadensis Spruce Grouse
Pair of the typical eastern form in forested know habitat between two
bogs picked by GWMalaher. E. of Swanson Cr. and Whirlpool Lake. Spent
15 minutes within few feet of the pair - little understory cover but duff.
Terrific display rotation by M - fanned tail, with layers of fans
showing. Eye brow pockets up 4 inch bright red-orange. Wings drooped.
Female unruffled. Fed and even dusted at roadside almost at my feet.
Gerry sent pic-see life-list file.

6/6/74

Mazgys Stt 7 with G.C. observed 10-11 6" long ground cover
red red brown

May 11

Observer Fred Evenden, Jr.


Oregon Ruffed Grouse

1179-1185-1186-

Bonasa umbellus sabinii

Number of birds banded on each survey:

2-3-15-51-65-95-172-192-212-351-362-367-376-378-385-411-435-506-
522-587-591-596-609-634-726-767-775-802-810-833-849-851-870-882-1158-1161-1178-

| Date | Location and observations |
|---------------|---|
| 10-1-42 | Peoria Ferry: ^{Dr} Found Ruffed Grouse with most of feathers torn loose. It had talon scratches on the body, and one, ^{Dr} conclusion could be formed but as I have seen at least 1 in the area every time I have seen to it. |
| Apr. 25, 1946 | Dixon Creek Ridge, Corvallis: ^{Dr} All of us were clustered together in one spot on the north side of the hill taking readings of temp., etc., and one of the boys spotted a grouse on a nest, and it was almost surrounded by us. One of the boys was sitting against the base of the very small fir on opposite side to the nest, which was at the base of it. He was less than 1½ feet from it! The bird never batted an eye, but trusted in its camouflage. Later Dr. Gordon and I took pictures and it stayed on all the time he set up the tripod, put in the cartridge, and took the shots, less than 4 feet away! But I flushed it when I tried to get the camera less than 3 feet from it. Whoom! There were 10 eggs in the nest. The cavity was a little over an inch deep, and 6-7 inches in diameter, and lined with last fall's Big-leaf Maple leaves. Grasses and twigs made up the bulk of the nest. The nest was at the base of the small fir, on the north side, and was openly exposed from all other sides. A few short sprigs of Poison Oak were growing around the nest. One of the fellows had his Labrador retriever with him on the field trip, and it sat down within 5 feet of the nesting grouse, but never gave a sign of having smelled it. The bird was up-wind from the dog, as well. I wonder if a nesting bird like that can prevent itself from giving off scent of any kind???? |
| July 17, 1946 | Corvallis, Oak Creek Ridge ^{Dr} a p.m. Collected a young Ruffed Grouse about 4 weeks old out on the ridge. The bird was bulking with blackberry seeds, another, larger seed -  , and some bit pieces. The crop was filled with Cascara berries. |
| April 12 '47 | Abiqua Camp-Milk Ranch area: ^{Dr} heard them clearly, speed spaced similar to the "bouncing ball" notes of the Screech owl. |
| Dec. 6, 1947 | Alsea Nat. Forest ^{Dr} ... |
| Apr. 30, 1949 | Beaver Pond, 3 mi. W of Bruce Sta. Benton Co. ^{Dr} drumming and along ash-willow-alder-cottonwood stream bottom along creek. Flushed 2. (IBH) 530 a.m. |
| 6/11/67 | W of Lake Cowichan, Van Is B.C. 2 ad w/ ^{Dr} <u>Gray</u> <u>Downy</u> <u>Yng</u> , 7-10 days age (Don Robinson) |
| 10/20/67 | Skyline Drive N Side Hawkbill Mtn. Va. grouse drumming & 1111-1130 a.m. EDST |
| 8/27/68 | Quabbin Res, Mass. 1 ad + 3 ½-¾ yng, 10/11/68 ^{Dr} <u>Steele</u> |
| 5/24/69 | Pine Grove Furnace Cumberland Co Pa. 9 3"-4" chicks |

Observer Fred L. Vanden, Jr.

Number of field trips on which observed:

Columbian Sharp-tailed Grouse 26-

Pediacetes phasianellus columbianus

| Date | Location and observations |
|---------------|--|
| Feb. 20, 1966 | - see below: 12's male with and dark feathers and crown and long white feathers on tail. Female dark barring crown and tail. They flush last, and are flushed first by corn. Startle on release. This at Chamberlain S. Dak. |

Greater Prairie Chicken - Tympanuchus cupido

Feb. 20, 1966, Chamberlain-Ritz Bend Dam area, Teton, Brule & Buffalo Cos. S. Dak. 12's with sharp-tails and without. Flying down from higher wooded hills to feeding fields (corn and brown stubble and mowed fields). They flush first from mixed flocks and then Jackson's in fixed flocks the sharp-tails get involved and the chickens do not. Check up on use of underwing flashing as communication in flock flights, also with known tail methods. Since chicken body darker than sharp-tailed, there is good contrast in profile in flight. Flocks of Missouri P.

Prairie Chicken-Sharp-tailed Grouse Hybrid - about 1% of all tr. by Jackson. We saw one at 1st trip of side east of Missouri in S. D. More chicken than sharpie in "ours"

4/10/71 DeCoeur Kansas - 70-119 pairs, worked brooding + courting + embryonating.

Observer Fred Evenden, Jr.

Sage hen

1230 - 1232 - 1233 - 1295 - 2312 -

Number of times seen on which observed:

Centrocercus urophasianus

| Date | Location and observ. data |
|---------------|---|
| June 21, 1949 | Near Twin Bridges, S. Ek. Humboldt River, Elko Co. N. V. adult and 2-grown young crossing gravel road in sagebrush on river bottom habitat. <u>First I have ever seen</u> |
| June 22, 1949 | Mary's River, Malvista Ranch, Elko Co. Nevada - adult and 2 young young in gravel road in sagebrush - river bottom area. |
| Dec. 13, 1949 | Pyramid Lake, Washoe Co. Nevada - 2 p.m. 4 flushed from very sparse desert scrub along west side of lake. |

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44

2550-2554-

Merriam's Turkey

Meleagris gallopavo

July 1, 1959, South Rim Grand Canyon, Coconino Co. Arizona. Mildred spotted two adults and 5 young in draw by abandoned dam E of Grandview Point in woodland-grass.

July 2, 1959, North Rim, Grand Canyon - N of village. 11 seen in grassy meadow about 100 feet from forest of spruce and aspen.

May 10, 1975, Garden Canyon, Ft. Huachuca, Arizona. 705 a.m. one in road, crouched on pavement as we surprised it in the car. It stayed right in once, permitting us to take picture re window, with car engine running, and it hissed, growled and gurgled at us the whole time. I got out, went around the car to "free it", bent to pick it up and it jumped up, ran away, circled back across the road and into the woods 30-40 feet before doing the same squat escape action!

11/11/90 Westmoreland Co. Va - Slide Potomac - 30 Stratford near Raccoon family

6/18/81 Skyline Drive 200 yds S of Upper Raccoon Potomac, Va
2 juv 2 ad + 3 juv 6" long
crossed stream.

Observer: Fred Evenden, Jr.

Eastern Bob-white

Number of field signs: 10000

3-6-18-34-67-74-75-77-80-81-90-101-104-111-112-142-147-149-150-151-156-159-
161-197-212-378-384-386-441-610-620-639-646-657-660-666-667-673-681-
682-688-689-727-786-829-860-865-870-869-880a-887-888-890-894-895-897-901-901a-1045a-1218-1246-1437-
1438-2407-
0.14.

Colinus virginianus virginianus

| Date | Location and observations |
|--------------|--|
| May 1, 1947 | Stewart Lake, N of Corvallis ^{one} 7 to 9 a.m. calling from several fields. One seen in an isolated Oak tree which I approached within 8 feet. |
| June 7, 1947 | 11-mile Swamp: ^{one} one crossed the road ahead of the car, and finished the coast ahead of us at 15 mph for 25 feet or so, before turning off. |

Observer Fred Iverson, et.

European Partridge

Number of birds banded: 25-31-292- 293-299-328-491-609-
↓
Chukar

Pardix perdix perdix

Chukar - 1241-1299-1403-

| Date | Location and observations |
|------|---------------------------|
|------|---------------------------|

| | |
|---------------|---|
| Sept. 1, 1949 | Tule Lake, Calif. (Mn. 5 or 6 Chukars around the edge of the water. They are quite tame. They are from the steep meadow along the lake. |
|---------------|---|

May 28, 1954 Kern Co Calif - 5 mi SW of Maricopa - along highway

Arizona Scaled Quail
Calipepla squamata pallida

Feb. 21, 1951 Caterina, Dimmit Co. Texas. Ran across this flock of 25-30 by accident when we stopped to give chase to a thrasher.

Chachalaca

June 20-21, 1964, Santa Rita W.B., Hidalgo Co. Texas. 12's and more with 3 chicken-size eggs. Best noisy in a.m.s to 9 or so, but sometimes would start off calls in p.m.

Calif. Quail. : pp. 2

Nov. 3, 1958 - U.S. 395, near Franktown, Washoe L., Washoe Co. Nevada.
Flock of 35-40 feeding on open slopes facing E at base of Sierra.

June 22, 1961, Bass Lake, Eldorado Co. Calif. 1 pair with 5 half-grown young

June 28, 1962 Bear E. mouth of Feather R. S. Yuba Co. Calif. few calling, and
flushed one covey of about 20 young only $3\frac{1}{2}$ " high.

9/21/79 Rogue road, SW Oregon. Flushed pair from grassed road &
near a gully. They got up to 45 mph before turning off ahead of us.

Gambel's Quail

Lophortyx gambeli gambeli

3-17-47, Needles Landing to Parker Dam, Calif. 14 in wash with tamarask and Palo Verde

3-18-47, Bill Williams R. Canyon, Ariz: seemed to be small flocks at many points along the canyon. Gave one "Valley Quail call" and one of their own.

3-20-47 Colo. R. Indian Res. south of Parker, Ariz.: 4 at edge of arrowweed in flat country, on dirt field.

May 14, 1952 Meadow Valley Wash, N of Caliente, Lincoln Co. Nevada - pairs seen regularly along this U.S. 93 hiway.

May 14, 1952 Pahrangat Valley, near Alamo, Lincoln Co. Nevada - 1 perched at least 40 feet high near top of cottonwood. Others seen fairly high in brush, etc.

Feb. 13, 1953 6 mi. SW of Miami, Gila Co. Ariz. near Sleepy Hollow. 1010 a.m. Snowing, and snow on ground in this juniper-oak-yucca area, and we saw a couple of these quail sitting on rocks in the open, while it snowed.

Observer Fred Lavenach, Jr.

Mountain quail

5-6-65-211-225-401-478-512-516-587-609-634-635-641-642-649-662-672-679-686-
1298-1320-1353-1385-1678-189-208-249-755-767-773-808-833-865-893-104-109-106-1018-1021-1040a-1041-1066-1136-1149-1198-1210-
Creorty, Dicto. 11/11/11

Date Location and Observations

- March 9, 1943 Corvallis, ^{one} ~~North~~ cemetery by river, just north of the cemetery. A flock of about 100 was heard. (part of it was taken, Valley Quail, but this was never browned & was a different color call notes were higher and more varied - like the Valley Quail).
- June 1, 1946 Yew Creek area, along Alsea Hiway. ^{one} Beautifully colored individuals seen along the way this evening.
- Feb. 25, 1947 Oak-fir belt, 3 miles west of 12-mile Swamp. ^{one} we flushed a covey of 8 or 10 of them at the edge of a wheat field, and fir woods. We could not approach very close to them. One gave a short, soft, call note as they flushed. They were quite noisily in the brush.
- Mar. 1, 1947 Dixon Creek Ridge. ^{one} found a small covey in a dense briar patch on top of the ridge, in logged out fir area. Call notes of alarm were sort of tremulous and excited. Just caught a glimpse of the birds.
- Apr. 10 '47 Dixon Creek Ridge. ^{one} flushed a pair from brush in the D. Fir clearing atop Dixon Creek ridge, and then flushed 2 more farther down the south slope in the oak area.
- May 29, 1947 S. Spur Macdonald Forest. ^{one} One was heard for or less continuously for most of the afternoon.
- May 31, 1947 Milk Ranch, Abiqua Creek. ^{one} flushed a pair from the edge of the road, and they flew just 10 feet.
- June 25, 1947 Lorrane to Anlauf, Douglas Co. ^{one} at 1400' in fir forest areas. Came across a pair that had 13 cute little chicks. About 1 1/2" long. I almost caught one chick. They sounded just like a brood of chicks. The female stayed within 6 feet of me, crest erected, and gave several types of scolding and alarm notes all the time. Then I left, she gave two plaintive notes, and had answers from the chicks, which had been hiding silently till then.
- July 12, 1947 Macdonald Forest. ^{one} watched 4 ~~g~~-grown young playing along a log. They were brownish-gray, with prominent head color bands as seen before.
- August 7, 1947 Macdonald Forest. ^{one} came across a covey in the road. 5 adults and 7 ~~g~~-grown young that were quite brownish in color.
- July 23, 1948 Scott Valley, Douglas Co. ^{one} pair with covey of 15 young about 1" long. Adults very pale - etc.
- July 24, 1948 Trail Creek, ~~Miller~~ ^{one} of Trail, Jackson Co. ^{one} pair with covey of 15 young. They were 150 feet in the brush.
- May 24, 1949 Coolidge Meadows, 6400', Fresno Co. N. Fr. Kings. ^{one} about 1/1.5 acres. ^{Calif.}
- July 6, 1950 Trinity Mtns. ^{one} Trinity Center to Minersville, Trinity Co. ^{one} Calif.
- Aug. 21-22, 1951 Huntington Lake, Fresno Co. Calif. 6,950' el. several small coveys were seen about the lake, but most were composed of young or immature birds.
- Sept. 8, 1951 Lassen N. P., Manzanita L, Calif. 6,000'. Covey of 8 seen, mostly immatures.
- July 11, 1959 Camp Winton, Bear River, Amador Co. Calif. adults with 10 young 4" hi.
- Aug. 2, 1962 Mesquite, Eldorado Co. Calif. 23-2600' el. 3 pair, 2 with coveys of 1/6 to 1/4-grown young.

Observer Fred Evenden, Jr.

Plumed Quail

566-561-

Number of birds seen at each locality :

Oreortyx pict. ~~pict.~~ *aremyphila*

Date

Location and Observations

March 23, 1947

Joshua Tree N. Mon., ^{Calif.} 5000' elev: heard and flushed several. They were all over the valley and rocky hillsides where we camped.

March 24, 1947

Joshua Tree N. Mon, Calif: giving their singular notes before sun-up this a.m. I'd estimate 15 scattered around this small valley.

Observer Fred Aversen, Jr.

Little Brown Heron

Number of Little Brown Herons
329-46, -468-580-2241-

Location: V-10:

Grus canadensis canadensis

| Date | Location and Observations |
|---------------|---|
| 8-4-44 | Seen at Weiser, Huntington + Durkee, Idaho |
| Nov. 19, 1946 | Corvallis, "Pis in Gen" ^{Or}
flushed and flew over the area at the end of the line. It was
identified, flew over the line, and then landed. Green to
yellowish green on the side on Nov. 19. |
| Apr. 5, 1947 | Leadbetter's Penin., Willamette-Columbia Sloughs: ^{Or} we saw one in flight over
the tops of the cottonwoods. Almost the size of a Blue Heron, and
elongate neck was well observed by both Dave and I. |
| 6/21/66 | St. Lucie Club, St. Lucie Fl. Fla. 2 adults and 1 juvenile. 1 adult
and 1 juvenile and 1 adult and 1 juvenile, etc. |

Observer Fred Lynden, Jr.

Sanchil Crane

Grus canadensis t. t. t.

| Date | Location and observations |
|----------------|---|
| Oct. 4, 1942 | Corvallis, Duck Trap Pond. ^{ore} Foggy in spots and cold. One flew over me at about 15 feet. Seemed to have a wing spread of 7 or 8 feet, tip to tip. Neck was not bent, but was straight. Near me it banked its course and dipped downward very deftly for its size. |
| Nov. 15, 1948 | Los Banos State Refuge: Wendell Miller and I heard some several miles away, and when searching thru the glass picked up a flock of 40 or so circling for a landing in the area near the San Joaquin R., E of the refuge. Altogether there were at least 250 cranes in the field. |
| Feb. 3, 1949 | Sacramento 5872 Raymond Way ^{Calif.} - 7:30 a.m. 4 flying northward in big loop a mile across. |
| April 14, 1949 | Philomath, Benton Co. Oregon (IBM). about 100 of them circling at a considerable distance up in the air currents. Gave coting sound like a lot of pigeons. Did not flap their wings. Could see long necks and legs. Ends of wings darker colored. They stayed within our view for several minutes. They constantly circled, but were headed in a northerly direction. |
| Apr. 5, 1949 | Corvallis ^{ore} - 1230 noon. flock of 8 flew in at several hundred feet elev. from the S and proceeded to circle over the west end of the OSC campus. This circling consisted of alternate flapping and gliding as the birds rose steadily higher. After 10 minutes they were discernable only with a pair of 7X binocs. They then formed a small V and proceeded straight north. Apparently they had struck a convection current, for they rose upward with comparative ease. At no time did the birds give any call. THCA |
| Nov. 22, 1949 | Gray Lodge Refuge, Butte Co. Calif. 2 p.m. - a fairly compact flock of 36 individuals were observed feeding on dry ground in the center of the refuge, but just about 150 yards from the car. We drove within 75 yards of them, and then they took flight when John Sypulski tried to get even closer for a graphlex picture of them. They took flight, and gave their rolling call note as they did so. They were slow, but powerful fliers, and circled nearly back once, before heading off toward the west end of the refuge. Two separated and headed southeast, not joining the main flock again. |
| 11-30-49 | W + S of Merced ^{Calif.} 100 ft. high |
| 2-12-52 | San Luis Writing, N of V. ^{Calif.} 185-200 ft. high in m. Golden Eagle.
other were circling in 142 ft. to 1,000' distance. |
| Feb. 20, 1952 | Canal Ranch, S of Thornton, S. Joaquin Co. Calif. Saw about 1200 in one field this a.m. Quite a sight. Observed some portions of courtship dances similar to the Sarus Crane in India. |
| Mar. 27, 1952 | Hogan Res., Calaveras Co. Calif. Small flocks flying north today. |
| Jan. 10, 1951 | Bass Lake, and NE, Alameda Co. Calif. 35 birds up south fork of American River - watched for miles to the east. |
| March 21, 1954 | Jenny Lind, Calaveras Co. Calif. 1 p.m. 21 circling low over area. |
| Feb. 15, 1959 | Canal Ranch Rd, SW of Thornton S Joaquin Co. Calif. - 3. Close to Thornton 40 |
| 2/4/63 | Franklin area, Santa Co. Calif. 2 birds in air - on ground too |

Observer Fred Alvenden, Jr.

Virginia Hall

947-957-968-984-1011-1043-1100-1155
2266-~~3442~~-2495-
radius limicola limicola

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation

75-77-78-142-147-210-275-384-396-523-583-595-612-616-621-630-639-655-
-641-710-715-720-748-850-857-857-859-861-868-877-880-880a-881-889-890-894-897-898-922-
a-1182-1187-1309-1325-1326a-1457-1561a-1581b-1589-1657-1796-2099-2101-2121-2132-2174-

1941 12-mile Swamp: ut. of Cervid. il.; ...
Top of body brown ... black
and ...
fly wing, ...

1941 12-mile Swamp: ut. of Cervid. il.; ...
...
... 8 eggs ...

1941 12-mile Swamp: ut. of Cervid. il.; ...
spots ...

1946 12-mile Swamp: ...
one ...

1946 McFadden 12-mile Swamp - clear and hot. Saw three of them today, and found two nests. 10 eggs in one, and 11 in the other one.

1946 12-mile Swamp. Saw just one today, and it flushed from just between my feet, almost.

8, 1947 12-mile Swamp: one heard on the east side of the swamp, and I later flushed one from a clump of Carex sp. at the north end, near the fence. I had only a glimpse of this quite wary bird.

15, 1947 12 mile Swamp: Tom McCallister flushed one this week, not many yards from where we flushed one last week.

, 1947 12-mile Swamp, 1530PST: first saw this species on April 8th, and located at least 2 pair today. Walking thru sedge-meadow and found ourselves "Surrounded" by a female(?). We stood still and it worked its way completely around Tom and I, never being farther out than 15 feet from us! All the time it uttered one particular call note of alarm at the rate of about 30/minute. The sound began with a barely audible sound like that of a quite taut rubber band (med. weight) being snapped, and then the clearly audible part consisted of a sound not unlike that produced by us when we hold a blade of grass between our hands and "squawk or squeek" it. The birds note varied some. While the one bird was working its way around us thru the spike-rush and sedge, a second bird remained almost within a 3 foot radius some 20 feet away, and gave the same alarm note, and also another, deeper, "gargling" or grunting series of sounds, and these were occasionally taken up by the female, as well (assuming the sex.). Finally the F came into a sedge clump 6 feet away and stopped scolding, and quieted down long enough for a "breather" and then we heard it "purrr", or at least the sound suggested that to both of us, tho it was barely audible. Then I spotted a small black young swimming thru the spike-rush toward the parent, evidently it had remained "frozen" until the "purring" signal from the parent. The young was $2\frac{1}{4}$ " long, the tarsus was $1\frac{1}{2}$ " long, and blue-black. Iris brownish-black. Skin pinkish-white. Body covered with a dense, long, glossy black down, the cutest little dickens you ever saw. The bill was pinkish, white at the base, with a black band around it, not quite $\frac{1}{2}$ -way out. The "egg nail" was still prominent on the upper tip of the bill. One item I forgot to mention was the well-developed "claw" at the thumb of each wing Both wings down-covered.

- May 6, 1947 12-mile Swamp, ^{Or} "cornered" another pair of them, and found a small downy black young about the size of the one caught on April 22, 200-250 feet away. Banded with size #3, 41-354647. Both parents scolded and "chipped", their mandibles together while we banded the young. Black ring on bill, but no "egg hook" present. At first it tried to swim away, and then as I came close it "froze" among the spike-rush with head low to the water.
- May 20, 1947 12-mile Swamp, ^{Or} in the south part, an adult on nest containing one egg which was a cream color, spotted with a maroon-brown. Nest of dry Carex stems 7" above water. Both adults stayed within 5 feet while I was at the nest.
- May 27, 1947 12-mile Swamp, ^{Or} located another pair in the Basin Swamp, which had young up to 3 or 4 inches in size. Both parents stayed close by. Couldn't catch the young.
- June 17, 1947 12-mile Swamp, ^{Or} heard them several times, and saw one fly some 75 feet from an "open" area of *Eleocharis* to a Carex obnupta clump.
- Aug. 29, 1947 Fern Ridge Dam, Lane Co. ^{Or} Rob and I caught a black downy bird in a very area near the lake border of north of the dam. It was about 1/2" long, with head 1/4", and bill black and 1" long, and tarsus about 1/2" long. The very filmiest and smallest of feathers were coming out here and there, and the tips of a few in its wing were to be seen. Its tail feathers already had touches of chestnut around it. It ran under a log where we caught it, and I banded it with 41-354648. A very late record is indicated from this bird!
- Jan. 6, 1948 12-mile Swamp, ^{Or} Dave M. and Tom McC. found one along the gravel road leading into the swamp area, in a flooded area about 100 feet east of the normal margin of the swamp.
- April 20, 1948 12-mile Swamp, ^{Or} seem to be quite a few in the area. I'd estimate at least 10 pairs, and I'm sure we didn't hear or see them all. Nest begun last week still in same condition. Found another nest, near the cabin, in *Carex obnupta*. Plant material still wet. About 8" over water. Cup 3" deep and 4-5" in diameter. At 11' corner we found a grass platform about 3 feet up in small ash, in Carex clump, which we can't figure out, unless it is a base for a nest of this species. Another nest platform made from Carex 8" above water in Carex clump. Water depth at nest, was about 6".
- June 13, 1948 12-mile Swamp, ^{Or} I came across at least 7 separate nesting groups over the entire swamp today. Even the young gave the usual alarm notes, as they would practically surround me if I had dared to go into their nests. No downy young seen. All were well-developed, but a little smaller than the adults it seemed to be.
- June 21, 1948 12-mile Swamp, ^{Or} Found 2 pairs and a single adult; also "peepers" with one pair, and the single adult.
- Sept. 8, 1948 ^{Calif.} Sacramento Refuge: calling occasionally. One found freshly dead along the road. Near adult plumage. Base of lower bill deeply notched or widespread.
- Feb. 2, 1950, 12-mile Swamp, Benton Co. Oregon. Found this one standing under a *Rosa* next to the horse shed. I approached within 5 feet and took pictures. Then hit the bird over the head with a stick, stunning it so Merl could pick it up. Was very, very thin, with absolutely no body fat. In gizzard were a few small fish bones and what might have been some skin from a fish. Undoubtedly this bird would not have lasted much longer. DBM
- July 30, 1952 Near Eagleville, Modoc Co. Calif. Flushed 1 from flooded, oiled pasture.
- Oct 10, 1960 Carmichael, Siskiyou Co. - 12.5" found one running in water

17 - - - - - 7 - - - - - 5 -

142-147-152-288-396-398-595-602-621-661-695-710-868-880-887-888-968-989.

17 - - - - - 7 - - - - - 5 -

| Date | Location | Observations |
|----------------|---|---|
| April 18, 1946 | 12-mile Swamp, south of Linn Co. ^{ore} | Saw a couple of them this p.m. They were on the water, but did not fly. They were very tame and did not seem to be afraid of us. They were very quiet and did not make any noise. |
| May 5, 1946 | 12-mile Swamp, south of Linn Co. ^{ore} | Saw a couple of them this p.m. They were on the water, but did not fly. They were very tame and did not seem to be afraid of us. They were very quiet and did not make any noise. |
| May 22, 1946 | 12-mile Swamp. | Saw a couple of them this p.m. |
| Apr. 15, 1947 | 12-mile Swamp. | We heard a strange series of 5 notes, that may have been this species, but of course none of us are banking on it. |
| Apr. 22, 1947 | 12-mile Swamp, | checked up on last week's call and this is it. Tom coaxed one up to within 10 feet of us, by repeating the "ker-wee" notes. Heard just the one pair today. |
| Aug. 13, 1947 | "Poison Oak" Lake, Linn Co. | Flushed one bird from the rocky margin among the pond lilies on the N. side. It flew with the wings up at a 75 feet before alighting in other pond lilies. |
| May 11, 1940 | Milwaukee Oregon | 11 eggs in nest of dead sedge grass & in a clump of sedge. <i>C. t. t. t.</i> |
| May 17, 1941 | " | " - 10 eggs in " " sedge grass, supported in a clump of sedge grass. <i>C. t. t. t.</i> |

Coturnicops noveboracensis²

Oct. 2, 1948. Suisun State Refuge, Solano Co: ^{call} Gordon Gullion and I heard a new call from the tules, and checked the call descriptions in Peterson's. This species is the one that fits it exactly! We did not get to see any of them because of the dense Scirpus growth. However, I would say there were at least 10 or so in the area.

7/26/79

Scirpus growth

532-947-957-1043-1049-1080-1098-1120-1130-1180-1182-1199-1281-1341-1383-1415-1444-1461-1511-1552-1602-1603-
 1610-1626-1639-1641-1657-1709-1721-1731-1735-1769-1821-1865-1897-1916-1961-1962-2009-2074-2075-2026-2142-
 2489-2420-2421-2428-2439-2447-2458-2493-2495-7-8-2548-2577-2580-2631-2653-57-2698-
 1702-
 Florida Gallinule
 N.A. Black Gallinule
 Gallinula chloropus cachinnans

3-16-47 Monolith to Mojave, Calif: wading in shallow water nottoo far from the hiway
 Sept. 8, 1948 Sacramento Refuge: ^{ich.}purple black and gray color with redding feet and
 bill.

Dec. 18, 1952 - Hood-Franklin road, Sacto Co, Calif 8 a.m. Saw 25+ in one pond of tall cattails & open water & land.

Jan. 10, 1954 C.S.R. 14 - 2.4 mi. E of Walsh Sta. 2 m.p. Saw 12-15 Gallinules in
 shallow water area grown to cattails, in cattl. area.

Jan. 12, 1954 Same local - only 14 seen.

- Sept. 8-9, 1951, Manzanita and Reflection Lakes, Lassen N. F. Calif. 6,000' elev.
 20-25 on Manzanita Lake and 6 or 8 on Reflection. Several immatures, and
 a few downy young with red faces and bills seen, too.
- Feb. 28, 1952 - 2,500-3,000 eating-out grain field north of forestry bldgs. in Yolo Co. *Calif.*
- Apr. 18, 1952 - checked field, but damage not evident. Much of crop headed out, except
 for plants in swale areas where water stood - perhaps coots eating only
 delayed heading of plants.
- June 3, 1952 - Leetsville, Churchill Col Nevada - 3, 1/3-grown young.
- June 5, 1952 - Carson Valley, Douglas Co. Nevada - Class II - 4 and 1.
- Dec. 23, 1952 - *Santa N. W. Refuge - Colusa Co. Calif. - 7 checked some & they flew at 30 m.p.h.*
- Feb. 3, 1953 Morro Bay, Calif. 100's around bay, and swimming onto bay waters with brant,
 and feeding with curlews and godwits
- 5/24/79 Negative Leewards. One nest w/ brown wings.*

Black Oystercatcher
2511-2677-3564&&

Haematopus bachmani

Number of times observed: 57-124-366-446-567-568-628-1040-1079-1201-1761-1955-2074-2306-2344-2422

| Date | Location and observation |
|----------------|--|
| Jan 30, 1941 | North end of Agate Beach. ^{Or} I saw one pair of birds feeding with a Sooty Gull. They were 1/2 to 2/3 the size of the gull. They were sooty brown black. Uniform throughout. I saw them in the sand. They seemed to be 4 or 5 inches long. They were very tame and did not fly. In flight they seemed to have a wingspan of 12 or 14 inches. |
| March 10, 1946 | Boiler Bay State Park. ^{Or} We spotted two of them feeding on a wave-washed rocky shelf at the base of the cliff. Took pics with 12" lens, movie. |
| May 21, 1949 | Coast S of Carmel, Monterey Co. ^{Calif} up to 6 in a flock on cliffs and rocks. |
| Apr. 18, 1954 | Ft. Bragg-Westport, Mendocino Co. Calif. 5 seen on one rock - adults. |
| July 5, 1970, | Depoe Bay, Oregon. 2 pr with nests at Surf Point. Those feeding on low-tide pools on rocks had a buzzy call |
| Nov. 17, 1981 | I saw a pair of Black Oystercatchers feeding on a rocky shore. They were very tame and did not fly. They seemed to be 4 or 5 inches long. They were very tame and did not fly. They seemed to be 4 or 5 inches long. They were very tame and did not fly. |

Observer: Fred L. Venable, Jr.

eastern snowy plover

Number of birds banded: 70-441-1039-1305-1307-1630-1686-1948-2127-2254-2422-2583-
Solved

Charadrius nivosus nivosus

| Date | Location and observations |
|------------------------|--|
| Aug. 1, 1948 | Kenney Link, Laguna, Calif. - 15-16 birds, all not over 1.0" long. Length. |
| Aug. 1, 1948
7/2/48 | Toulon Link, Laguna, Calif. - 10 in all.
Indian Rock, Pimpino, Cal.
Not left foot adumet, which was toward up of shell of sand, ground, or black
Not foot, breast & leg and neck several times. Red throat? or white? |

Willdeer, p. 2.

Nov. 12, 1962, Davis Sewer fields Col. Calif. few, but 150 flocked at Woodland Sewer Fa

Golden Plover. Feb. 15, 1959. Santa G. Calif. - 1st seen / 2/15/59 below. 2509 -
Pluvialis dominica

Observer Fred G. Evenden, Jr.

Black-bellied

Upland Plover

Squatarola squatarola

Bartremia longicauda

Number of field trips on which observed:

250-257-309-567-791-1104-1147-1265-1291-1317-1349-1330-1334-
1351-1362-1381-1386-1567-15528-156/a-1630-1683-1686-1699-1756-1757-1786-1854-
1953-2049-2187-2205-2209-2239-2242-2243-2254-2265-2295-2343-2396-9-2403-2509-
2425-2571-2583-

| Date | Location and observations: |
|---------------|---|
| Oct. 2, 1943 | McChord Field, Washington. Ford Dicks and I observed tow different shore birds, one description follows. It is the first Upland Plover that I had ever seen. It was large and rather dark brown above, lighter below, had short bill and legs. They appeared to be partly webbed. Legs were black. Neck rather long, slim but stout, and bill-to-tail length might be 12". In flight it dipped and veered from side to side. Body looked short and wings long and tapered when in flight. It emitted a call note series or squawks. |
| May 17, 1944 | Mtn. Home, Idaho. Reservoir. Saw one pair of them. About 10-12" long Black face, throat, neck, chest, and belly. White bordering it above on head and neck, and rump. Back of the neck and back and wings is a speckled or mottled gray and white. Wings mostly white in flight. Black bill and dark legs. It has the trait of the killdeer in running a short ways and stopping. |
| Mar. 27, 1947 | Dumbarton Bridge Lower San Fran Bay 1100 PST - saw just one, about 12" body length. In winter plumage yet. |
| Oct. 15, 1950 | Farallon Islands. |
| Apr. 2, 1955 | Moss Landing, Mont. Co. Calif. Several, but no full blacks. |
| Apr. 4, 1955 | Moss Landing - some full blacks |
| Apr. 4, 1955 | Bay Farm Island, Alameda Co. Calif. Many full blacks. |
| Feb. 15, 1959 | Pt. Pleasant Rd, E of Franklin Rd, Santa G. Calif. Over 150 in winter plumage on alfalfa pasture not over 1 1/2' high. 3 Golden Plovers & Killdeer w/ them. |

2687-

Suri-bird

164-182-776-1061-1410-1535-1556-1901-1904-1956-2259-2268-2274-2344-2422-2672

Aphriza virgata

| te | Location and Date |
|---------------|--|
| Aug. 6, 1941 | One seen in the trench. |
| Dec. 6, 1947 | One seen, Dec 6, 1947. |
| Dec. 18, 1949 | Newport-Waldport ^{one} saw one with black turnstones and aleu-
tāan sandpiper polydora - about 50 birds in the flock. |
| Nov. 15, 1951 | |

1

2

Observer: Fred L. Turner, Jr.

Lucas, Turner, et al.

100% of the birds were observed
70-704-244-628-1052-1854-2274-2306-2482-

Primary: 100% of the birds were observed

| Date | Location |
|----------------|---|
| Feb. 21, 1943 | Waldport to Heceta Head. ^{9^h} Several pairs of large flocks of these noisy, & bold birds. They stayed on the ship, some very close to the edge of the deck. |
| Feb. 2-3, 1943 | Bonaventure Peninsula, California. Only 2 birds seen in the morning. |
| Feb. 21, 1943 | Heceta Head, California. Several birds seen in the morning. |

12/

2

Observed Fred Livenberg, Jr.

Black Turnstone

70-118-164-441-568-776-1178-490-1039-1068-1330-1332-1362-1384-1386-1410-1335-
1536-1761-1981-1983-1984-1986-2074-2187-2264-2267-2311-2344-2371-2422-2422-2511-2571-2642-61-65-2687-

Arenaria melanotos

| Date | Location and observation |
|---------------|--|
| Dec. 6, 1947 | San Francisco, California ^{are} |
| Nov. 6, 1949 | Bodega Bay, Sonoma County, Calif. 2 p.m. several observed with other shorebirds in a marsh at the east end of the bay. |
| Dec. 7, 1949 | Morro Bay, San Luis Obispo Co. ^{Calif.} about 35 of these birds were observed squatted down on piles of seaweed above the high wave-wash of this plain, sandy beach - no rock perched for them. |
| Dec. 18, 1949 | Newport ^{are} - 1 working over/logs off the wharves. floating. |
| | Seal Rocks ^{are} - saw flock of about 10, and they allowed near approach - DB. |
| Oct. 15, 1950 | Farallon Islands: ^{Calif.} several observed on the wave-battered rocky shore, and also saw 4 or 5 about 100' up island cliffs and slopes on very dry areas. |
| Oct. 10, 1959 | Bay Farm Island, at Bridge to Alameda, Calif. 1145 PST. Clear and warm. with 10,000's of shorebirds with a dozen or so black turnstones on mudflats. |
| Nov. 17, 1961 | San Francisco, California |

10/10/79 All Guit, Cal. Bay, Mid - surface + first view.

4 cables (1 by T. T. T. (2) down jugs. 1 by T. T. T. (2) down jugs.

Had 4 the sound of the horn. 1 by T. T. T. (2) down jugs. 1 by T. T. T. (2) down jugs.

9/9/79 Cal. Bay, Mid - surface + first view.

5/2/90 Canaan Valley, W. Va. - one 'fountain' to 550 ft. Suck. C. 1997.

Observer Fred A. Venable, Jr.

Wilson's trip

[illegible]

Gallinago

Capella

5-44-48-50-51-56-106-112-122-130-135-142-152-197-199-203-205-206-209-210-212
236-263-264-265-275-280-281-283-284-288-332-351-352-356-374-384-386-453-
466-467-468-469-487-493-494-496-497-499-500-501-503-507-509-511-515-518-521-522-528-543-
566-567-576-578-583-585-595-602-611-621-646-651-651-700-710-712-714-717-719-720-721-722-723-724-727-728-731-734-737-738-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-1226-1227-1228-1229-1230-1231-1232-1233-1234-1235-1236-1237-1238-1239-1240-1241-1242-1243-1244-1245-1246-1247-1248-1249-1250-1251-1252-1253-1254-1255-1256-1257-1258-1259-1260-1261-1262-1263-1264-1265-1266-1267-1268-1269-1270-1271-1272-1273-1274-1275-1276-1277-1278-1279-1280-1281-1282-1283-1284-1285-1286-1287-1288-1289-1290-1291-1292-1293-1294-1295-1296-1297-1298-1299-1300-1301-1302-1303-1304-1305-1306-1307-1308-1309-1310-1311-1312-1313-1314-1315-1316-1317-1318-1319-1320-1321-1322-1323-1324-1325-1326-1327-1328-1329-1330-1331-1332-1333-1334-1335-1336-1337-1338-1339-1340-1341-1342-1343-1344-1345-1346-1347-1348-1349-1350-1351-1352-1353-1354-1355-1356-1357-1358-1359-1360-1361-1362-1363-1364-1365-1366-1367-1368-1369-1370-1371-1372-1373-1374-1375-1376-1377-1378-1379-1380-1381-1382-1383-1384-1385-1386-1387-1388-1389-1390-1391-1392-1393-1394-1395-1396-1397-1398-1399-1400-1401-1402-1403-1404-1405-1406-1407-1408-1409-1410-1411-1412-1413-1414-1415-1416-1417-1418-1419-1420-1421-1422-1423-1424-1425-1426-1427-1428-1429-1430-1431-1432-1433-1434-1435-1436-1437-1438-1439-1440-1441-1442-1443-1444-1445-1446-1447-1448-1449-1450-1451-1452-1453-1454-1455-1456-1457-1458-1459-1460-1461-1462-1463-1464-1465-1466-1467-1468-1469-1470-1471-1472-1473-1474-1475-1476-1477-1478-1479-1480-1481-1482-1483-1484-1485-1486-1487-1488-1489-1490-1491-1492-1493-1494-1495-1496-1497-1498-1499-1500-1501-1502-1503-1504-1505-1506-1507-1508-1509-1510-1511-1512-1513-1514-1515-1516-1517-1518-1519-1520-1521-1522-1523-1524-1525-1526-1527-1528-1529-1530-1531-1532-1533-1534-1535-1536-1537-1538

etc
 1343-1365-1382-1390-1392-1409-1418-1426-1437-1478-1485-1498-1508-1617-2033-2055-2173-2255-1147a-2276-2344-2428-2447-2464-2493-2504-

April 24, 1946 12-mile Swamp south of Corvallis. ^{0.2} This p.m. I flushed them by the dozens. They were everywhere I walked.

Sept 19, 1946 Poison Oak Lake, Winn Co., ^{Or} two of them in the S. gully at the lake edge.

Apr. 15, 1947 12-mile Swamp: perhaps 25 or 30 were flushed from flooded pasture at the north end of the swamp. In beautiful plumage now.

April 22, 1947 12-mile Swamp: quite a few in the flooded pasture area. Heard several "winnowing".

June 7, 1947 12-mile Swamp. ^{an} heard one or two, supposedly winnowing along the east side center area.

March 30, 1948 12-mile Swamp: a few in marshy areas along the stream, and 50-60 flushed in north field.

Jan. 17, 1949 Fairgrounds, ^{at} Sacramento, Calif, 5 p.m. = 3 of them.

Apr. 30, 1949 12-mile Swamp (LBM): flushed a few here and there - 1 perched on a fence post. One winnowing at 2 P.M.

Oct. 22, 1952 Mendota Pool, Fresno Co. Calif. flushed 6 of them about noon. They were in such a rush in circling around me that I heard and saw that several of them clashed wings in banking and turning.

Dec. 12 1959 S. J. H. 1959 Co, Oregon.

11. 7. 1922

6/28 71

Long-billed Curlew

Numenius americanus

- Nov. 13, 1948, Palm Beach SW of Watsonville, Santa Cruz Co: ^{Calif.} 4 in marsh area among the sand dunes.
- Nov. 15, 1948, West-side Grasslands from Los Banos Refuge to Gustine. ^{Calif.} 75-150 in short-grass marsh areas along the Santa Fe Grade.
- March 12, 1949 N. of Franklin, Sacramento Co. ^{Calif.} over 75 feeding in wet pasture with steers, - first thought it was a big flock of pheasants, they looked so big at a distance.
- Dec. 6, 1949 5 miles W of Tracy, San Joaquin Co, Calif. 915a.m. 35 in alfalfa field.
- Jan. 11, 1952 N of Franklin, Calif. 100's on flooded pastures of area + 3-400 in grasslands E of M.W.M.A.
- Feb. 4, 1953 - Merced W.M.A., Merced Co, Calif. - 100's on flooded pastures of area + 3-400 in grasslands E of M.W.M.A.
- Mar. 31, 1953 - 2 pm. at Jet. C.S.H. 33 + 152 W of Los Banos, Calif. 5-600 in flock in rolling grassed hills.
- Feb. 4, 1956 - 100's in wet pasture near Jet. C.S.H. 33, Merced Co, Calif.
- August 16, 1958 - 100's in wet pasture near Jet. C.S.H. 33, Merced Co, Calif.
- Feb. 15, 1959 - 5 1/2 miles S of Franklin Calif - 35-40 w/ 3 Hudsonians w/ Whimbrels.
- July 2, 1959 - Springdale - Auburn Jet., Utah - 1 ad in alfalfa field near highway. unusual now.

Hudsonian Curlew
Platopus hudsonicus

- August 6, 1947 Fern Ridge Dam: ^{one} flew over about 100 yards from Bill and I, and it gave its rather melodious "cur-lew" call as it flew south past us. The bill was not outstandingly long, not being over 4" at all, and the overall size of the bird was not large enough to warrant our calling it a Long-billed Curlew.
- Mar. 28, 1950. Rocky cliffs, Pacific Ocean, San Diego Calif. 430 p.m. saw 4 curlews first taken to be this species, "beaked down" on rocks just above the wave washes. The head striping was plain as in the Hudsonians, but the 3-4" long bill had a more pronounced bend than I have ever noticed on the Hudsonian.
- Jan. 13, 1953 U.S. 101, Ventura-S. Barbara, Calif. many perched at hiway edge along coast.
- Feb. 15, 1959 - Franklin Rd, 5 1/2 mi S of Franklin, Calif. 3 w/ 35-40 long-bill curlews.

986-491-1001-1054-1055-1061-1062-1100-1147-1166-1264-1265-1284-1290-1291-1299-1317-1319-1354-1361-1362-1380-1381-1386-1530-1531-1533-1544-1561-1562-1561a-1566a-1581a-1636-1633-1646-1689-1756-1758-1786-1797-1811-1889-1899-1953-2206-2205-2209-2242-2312-2343-2366-2386-2396-2421-2521-2525-2530-2571-2660-6

Marbled Godwit

Limosa fedoa

October 30, 1948. Bayshore Drive, Richmond-Oakland, 930 a.m.
along main hiway with the willets. Brown-speckled bodies. Bill 3&"
long, and appeared slightly up-turned. Tip-half is black, other part
is light-colored. 15 or 20 seen.

August 27, 1948 - Lower Klamath Lake, Calif. LFA. 1st seen. one botulism victim.
Aug. 6, 1955 Fope Beach, Mouth Upper Truckee R., Eldorado Co. Calif. 815 a.m.
3 on bar at head of creek. 1st seen, 1st seen, 1st seen, 1st seen, 1st seen
1st seen, 1st seen

1. The first part of the document is a list of names and dates, which appears to be a record of some kind. The names are written in a cursive script, and the dates are in a more formal, printed style. The list is organized into two columns, with names on the left and dates on the right.

2.

3.

Observer Fred Iverson, Jr.

Spotted Sandpiper

12-13-15-76-152-164-165-239-333-386-395-398-543-545-578-620-625-635-198

661-665-666-673-681-705-706-710-717-743-752-869-887-892-899-907-929-931-959-973-980-1037-1164-1201-1215-1216-1230-1232-1259-1260-1274-1544-1561-1609-1650-1672-1673-1724-1727-1921-1991-1992-2460-2467-2470-2485-2523-2526-2541-2555-2630-2620-2630-84-48

Date

Location

May 17, 1941

Tygh Valley, Kite River; ^{one} also saw them on the river to the river bank.

May 26, 1940

Barlow, Oregon - 4 eggs in a depression on sandy beach of river - cattails.

January 12, 1943

Willamette River, Corvallis, Oreg. Clear & Cold. 5:30 p.m.

one small solitary bird that was gray above, white below, and had longitudinal white lines on wings, when in flight. When it lit it bobbed up & down. Had black bill & feet.

May 13, 1947

Stewart Lake ^{one} - one perched on the pondily leaves near the pond center. It flew giving its call notes.

May 24, 1947

Wantiam River, Foster, Linn Co. ^{one} a pair on a bar above the bridge. Had a nest that we could not locate.

June 25, 1947

Hern Ridge Dam area ^{one} - several pairs were seen. One pair had nest on exposed gravel bar below the dam.

Oct. 20, 1947

Willamette R., Corvallis ^{one} - pair in a field of corn and corn, eating, and singing in courtship.

June 23, 1948

Coast Fork, Willamette R., ^{one} near Corvallis - the river was muddy, but some gravel bars were still exposed and I found a pair of light-colored, English-looking sandpipers on the river to another gravel bar.

July 21, 1948

Willamette R. ^{one} - seen on a gravel bar. 3-4 p.m. I saw gravel bars that were exposed on the river. I also saw a pair of sandpipers on a gravel bar at least 1/2 m.

July 22, 1948

^{one} - Empire River at Tygh Point: one adult at yard on the river and rocks on both sides of the river. One day-old chick, and one adult, one chick, and one adult. One 5-6 in. to 10 in. up river.

June 22, 1948

Mary's River, Malvesta Ranch, Elko Co. Nevada - on gravel bars. One observed to feed on Cicadid, and to sting it against the neck of the Cicadid, to kill it, I guess. Cicadids were very common on willows in the area.

July 5, 1950

Trinity Co., Calif. ^{one} - 2 seen, 1 on a gravel bar, 1 on a gravel bar. 1 p.m. Sacramento R.

Aug 4-5, 1951

Silver Lake, Amador Co. Calif. 7,200' el. about 4 pairs of adults seen, and on one stretch of lakeshore we found a brood of 4 downy young running around. 1 was caught Sat. (the 4th) p.m. and banded, but the others escaped. We returned to the same stretch of lakeshore, and cornering the family on a rocky peninsula, Ard and I caught all 4 of the young, releasing the one banded the day before. Size 1A bands used were: 41-152117, 122, 123, and 125. Young were downy, gray color, with darker stripe down middle of back. 1 young escaped us by taking to the water, and as I reached for it, it definitely "duck-dived" and swam a few inches under water, using its wings for propulsion. It repeated this feat three times in a row, but only for short distances. Then it rode in the water like a phalarope, and swam a full 40' across a small bay off the lake.

May 14, 1952

Upper Pahrnagat Lake, along US 93, south of Alamo, Lincoln Co. Nevada. Imbler and I observed one perched on a barbed wire fence about 10 or 12 inches over the water. Saw 12 others at the lakes in this valley.

June 19-20, 1954, Silver Lake, Amador Co. Calif. 7200' el. 2 pair. 1 where 4 young were banded in 1952. 1 at south end of lake in meadow area. Located nest on dry meadow near dirt road - took pic of it with 3 eggs at 3 p.m. on the 19th, and at noon on the 20th, with 4 eggs, meaning that if an egg were laid each day, the 1st was laid on the 17th. We had a very difficult time finding the nest, succeeding only after one had returned to nest, and, knowing general area, we got the other mate to call while flying nearby, and the one on nest answered with single note. Located on slight hummock in rush-grass meadow 15' from road. Cup $2\frac{1}{2}$ " to 3" dia. and $1\frac{1}{2}$ " to 2" deep. Some grass, chips and leaves lining it. Slight shelter by rushes.

July 12, 1957 American R., Sacto Calif, near Arden Park. 1 pair seen in a.m.

June 17, 1958 " " " " " " " " " "

6/10/67 Vancouver B.C. Coll. Bogert. w/mist.

1972 - at Town of Lezye

Observer Fred Avenchen, Jr.

Eastern Solitary Sandpiper

Number of birds trapped: 167-169-171-173-174-250-621-859-1309-2133-2261-

Tringa solitaria cinerea

| Date | Locality and Observations |
|----------------|---|
| Oct. 2, 1943 | <p>McChord Field, Wash.</p> <p>Saw this one and an Upland Plover together on the cement runway. Brownish above, but more light grayish below. Had slim neck and short bill (Legs were a little longer for size than the larger bird. They flew away together and the smaller had shorter and less-tapered wings.</p> |
| May 13, 1947 | <p>12-mile Swamp: ^{OK} watched one on a muddy flat among the spike-rush at the south end of the swamp. It was by itself. It teetered and waddled, and stood pretty low to the ground. The call notes, when flushed, were a little higher than the Spotted Sandpiper, and its flight was of long sweeps, but very irregular and zigzagging in direction. It was a dark gray-brown above, with a wash on the chest, and white below. Head had a gray-white eye ring, and there was no line over the eye. Supposedly it had a barred rump, which I could not see, it being all white, but inasmuch as a Lesser Yellowlegs is supposed to be even larger than this bird, which was about 7 1/2 inches long, it is eliminated, and I guess I must admit it as it is, even if I saw what I saw - Ha !!</p> |
| April 23, 1948 | <p>12-mile Swamp: ^{OK} Toad spotted this one between a yellowlegs and a Killdeer in a new growth of spike-rush. I watched for some time and got fairly close to it. It teetered a few times, and when it finally flew off it showed us plainly its lengthwise stripe down its tail with black and white cross-bars. It also gave its call-note, which sounded like a spotted sandpiper only higher.</p> |
| Apr. 23, 1952 | <p>12-mile Swamp: ^{OK} Toad spotted this one between a yellowlegs and a Killdeer in a new growth of spike-rush. I watched for some time and got fairly close to it. It teetered a few times, and when it finally flew off it showed us plainly its lengthwise stripe down its tail with black and white cross-bars. It also gave its call-note, which sounded like a spotted sandpiper only higher.</p> |

569-950-975-986-991-1001-1003-1039-1055-1061-1062-1104-1139-1147-1166-1230-1232 Western Willet
 1264-1265-1290-1291-1317-1318-1319-1351-1354-1355-1361-1362-1380-1381-1386-1477-1511-1521-1530-1532-1533-1534-1535-1544-1572-1573-1630-1633-
 1636-1680-1683-1686-1699-1741-1756-1757-1758-1770-1786-1797-1811-1854-1888-1878-1893-1928-1932-1935-1953-1956-2049-2055-2056-2101-2121-2105-2204-
 2209-2239-2242-2243-2262-2295-2312-2322-2343-2376-2386-7-9-2484-2860-2871-2875-2876 Catoptrophorus semipalmatus
 2583-2664-61- inornatus

- Oct. 30, 1948: Bayshore Drive, Richmond-Oakland: 2508 - common. Black and white patch on folded wing. Black-edged white wing in flight. Strong call note.
 Bay Farm Island, Alameda: about 500 this p.m.
- June 21, 1949 S. Fk. Humboldt R. Elko Co., Nevada - in pasture area.
 June 22, 1949 Mary's River, Elko Co. Nevada - at least 2 pairs in wet pasture area on Malvista Ranch. Evidently breeding, but I couldn't locate nest, especially in one spot where I was when the birds would come and angered lives at me, missing it only by inches. They must certainly be nesting here, for these actions of the adults indicate it.
- June 5, 1952 Carson Valley, Douglas Co. Nevada - About noon Fred Wright and I observed at least 30 of them in flooded pastures and pools at north end of valley near river crossing along hiway.
- Apr. 23, 1953 Carson Valley, N of Minden, Douglas Co, Nevada - Several pairs seen. One courtship "dance".
- June 27, 1954 Pope Beach Bar, Tahoe, Eldorado Co. Calif. Celeste Hirscher and Argantes found a willet sitting on a nest on May 30. The bird did not leave the nest while they stroked it. We found a pair of willets on the lakeshore all p.m. and found the abandoned nest. Located in slight depression between 3 closely-spaced cow-pies. There were 2 eggs, and apparently that was all laid, for each had distinct depression under them, probably from pressure of adult bird - this also explains why nest may have failed from wet ground below it. Took pic of two eggs. They were of distinct difference in size. Larger about 2 1/2" long and smaller 2 1/8" long, and each being proportionately different in girth. The larger egg was paler in color as well. 2 adults seen.
- 4/13/68 - Flamingo, Fla. May 7th. 100's wheeling in several flocks over bay area.

Wandering Tattler

Heteroscelus incanus

October 3, 1949 Seal Rocks, Lincoln Co. Oregon. just one on rocks - no flight patten seen. Just grayish - 10& inches long. Very erratic flight - slim-looking. 3-4 syllable melodic note in alarm flight. On rocky islands at low tide, ~~at~~ wave-washed.

Ruff

Philomachus pugnax

Apr. 18, 1964, Hunting Crk, Marsh, "Sl 5 of U-495, Alexandria, Va. 7 a.m.
1 "winter plumage" brown specimen with Greater and Lesser Yellowlegs, etc. On open tidal mud flats, and feeding in shallow water, and more or less aloof from yellow-legs. Also spent much time in short vegetation, preening, and saw it stretch both wings in upward "V" once, showing dark ~~feathers~~ underneath. A plane flushed it.

W. Fred L. L. L.

Greater Yellow-Legs
 1142-1147-1153-1156-1159-1164-1177-1187-1281-1284-1296-1299-1313-1340-1346-1375-1379-1486-1508-1523-1527-1553-1558-1552a+b-1786-1821-1854-1860-1873-1880-1910-1962-1970-2024-2033-2035-2079-2085-2174-2243-2337-2344-2346-2406-2419-2420-2424-2425-2507-2571-2573-2580
 2652-63-2684-92

April 22, 1947

12-mile Swamp: Saw a few solitary ones and one flock of 30 or so of them wading in the swamp. They wheeled and banked in flight just like Teal. They were very noisy and gave their "kip kip" frequently. They appeared to walk on the aquatic plants rather than wading on the shallow bottom of the swamp, altho I don't know.

April 24, 1946

12-mile Swamp: when we first came to the swamp, there were 5 in shallow (up to body depth), in company with 15-20 W. Sandpipers. They gave the call note as they flew. Before we left the swamp, we saw them again at the north end of the swamp, where we heard their call notes again.

Feb. 25, 1947

12-mile Swamp: a flock of 6 lit next to the Cinnamon Teal at the north end, and later on McCallister flushed a flock of 54 from the flooded field at the north end of the swamp. Some landed in fairly deep water and gave the appearance of swimming, although this must be doubtful.

April 8, 1947

12-mile Swamp: perhaps there were 100-125 today, well scattered throughout the swamp area.

April 22, 1947

12-mile Swamp: just one individual seen in the flooded field at the north end of the swamp. It called like a W. Sandpiper, but it was lighting on the ground.

Oct. 28, 1947

12-mile Swamp: One flying + 1 lit next to the Cinnamon Teal at the north end of the swamp. It called like a W. Sandpiper, but it was lighting on the ground.

10-9-52

One flying + 1 lit next to the Cinnamon Teal at the north end of the swamp. It called like a W. Sandpiper, but it was lighting on the ground.

Jan. 10, 1950

Yolo Bypass, Calif. at least 1 dozen seen in 2 small ponds.

Nov. 2, 1957

San Luis Delta, California, Carmichael, Santa Co. 12-15-1957
 w/ Wilpdes + 1 W Sandpiper

Jan. 16, 1960

San Luis Delta, California, Carmichael, Santa Co. 12-15-1957
 w/ Wilpdes + 1 W Sandpiper

Oct 14, 1960

San Luis Delta, California, Carmichael, Santa Co. 12-15-1957
 w/ Wilpdes + 1 W Sandpiper

Feb 1, 1970

San Luis Delta, California, Carmichael, Santa Co. 12-15-1957
 w/ Wilpdes + 1 W Sandpiper

Aug. 2, 1949, Just W of Los Banos State Refuge ^{Calif.} I observed 60-65 of them just 50 feet from the road, feeding in a shallow, muddy field, and with avocets and stilts. Used 7x35 glasses. They were colored much as the spring plumage dowitcher, but the short bill clinched this. In breeding plumage yet, and out of range as recorded previously.

8-2-49 - 24.7 - 1949 - 1949 - 1949 - Calif.

Oct. 2, 1953 In a river estuary, Vallejo, Solano Co. Calif. 1953. . . 2 seen.



Dec. 6, 1947 See book, page 100 ^{Or} ... of surf-birds ...
 ... of surf-birds ...
 ... of surf-birds ...
 ... of surf-birds ...
 ... of surf-birds ...

Dec. 18, 1949 Newport-Newport ^{Or} two of them with flock of turnstones
 and surf-birds. UBM

Feb. 13, 1972 Under S end, Yaquina Bay Bridge, Lincoln Co. Oregon
 200 on flats at lower tide. 1 with white face on left side.

Reptorial (and, ipso)

Microbiological

1947

Sept. 28, 1947 Fern Ridge, Cal. ^{one} 10:00 AM. A very large number of birds of this species, mostly females, were observed. They were feeding on the ground, and some were seen to be feeding on the ground. At 10:00 AM, a large number of birds were observed feeding on the ground. At 10:00 AM, a large number of birds were observed feeding on the ground. At 10:00 AM, a large number of birds were observed feeding on the ground.

Sept. 29, 1947 Fern Ridge, Cal. 10:00 AM. A large number of birds were observed feeding on the ground. At 10:00 AM, a large number of birds were observed feeding on the ground. At 10:00 AM, a large number of birds were observed feeding on the ground.

ditto + ditto to the above + ditto:

1903-2242-

Erolia
~~Pisocia~~ *bairdi*

| Date | Location and Survey Notes |
|----------|---------------------------|
| 10/1/54 | 1000 ft. N. of ... |
| 10/2/54 | ... |
| 10/3/54 | ... |
| 10/4/54 | ... |
| 10/5/54 | ... |
| 10/6/54 | ... |
| 10/7/54 | ... |
| 10/8/54 | ... |
| 10/9/54 | ... |
| 10/10/54 | ... |
| 10/11/54 | ... |
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| 10/30/54 | ... |
| 10/31/54 | ... |

9/23/67, Turf Farm off River Rd, Mont. Co. Md. 2 alone on closely-mowed turf. Barely moved out of way of mower and tractor - 1 walked 1 flew briefly. flashing white under wings. Both later flew to bare ground with killdeer and golden plover, but walked back immediately onto the closely-mowed turf. Later 2 flew together. Lighter breasts than in 2 field guides.

[illegible]

Observer Fred Evenden, Jr.

Least Squares Method

Least Sandpiper 898-901A-974-975-986-993-994-1011-1031-1033-1043-1029A-1049-1054-1104-1110-1147-1166-1176-1180-126A-126S-1284-1291-1296-1299-1301-1302-1304-1317-1318-1333-1351-1354-1355-1361-1362-1381-1391-1393-1397-1535-1544-1554-1559-1566A-1581A-1581B-1699-1756-1786-1795-1797-1821-1822-1846-1852-1854-1888-1895-1897-1953-1999-2002-2007-2035-2047-2292-577-2679

| Date | Location & Observations |
|----------------|--|
| Feb. 28, 1947 | Fern Ridge Dam, Lane Co.: ^{one} a flock of 20-25 "gyrated" past us, and lit $\frac{1}{4}$ mile away; and we approached within 10-15 feet of these little birds while they fed. |
| Mar 26, 1947 | Upper Tillamook Bay: ^{one} flock of 150 seen by Tom McCallister. |
| July 24, 1947 | Fern Ridge Dam: ^{one} several flocks of them were to be seen along the old road. They would circle and drift right in the road, where there was no car, and then feed into the sand or water from there. The most I saw was 17 in one flock, but more than that were present in the area. |
| August 8, 1947 | Fern Ridge Dam: ^{one} as before, this species was around the dam and a road, and were very tame, allowing us to approach within 5 feet of them in "Tugs" the Ford. Many flocks of varied sizes in the vicinity. |
| Sept. 26, 1947 | Fern Ridge Dam: ^{one} a three bird group was seen in the area. They were with scoters, and were feeding on the same food. It was a very early sighting from the stream. |
| Feb. 8, 1948 | Fern Ridge Reservoir: ^{one} many in the area - we watched up to 20 feeding on mud flats at close range, and others were mixed in with a huge flock of assorted pipers, probably mostly westerns and a few Red-backs. In feeding, a small bunch would run down-wind 25 feet or so, and turn into the wind, working upwind to about the point where they started working upwind before. This process was repeated time after time, till they were within 35 feet of us. |
| Oct. 30, 1948 | Bay Farm Island: Alameda: at least 30,000 least and westerns in one flock. |
| Sept. 1, 1949 | Lower Klamath L., Calif.: flocks on and every day. Saw more than westerns. Picked up a bobolink victim. etc. |

Observed in 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631

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~~Pelican~~ ~~divine~~ ~~conscience~~

Eupolia

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| Date | Location and no. of observers |
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May 13, 1947 1.5-mile Swamp - not far from the Solitary we flushed a full plumaged bird of this species, in company with a more or less uniformly light gray of the same size, perhaps a abird of the opposite sex, in winter plumage, yet.

11-24-47 Bill Williams R, E of Parker Dam - by gale Monsoon - collected, 1 specimen, 1000 ft. - 1000 ft.

Feb. 8, 1948 Fern Ridge Reservoir: some mixed in with a huge flock of Westerns and leasts.

April 17, 1949 12-mile Swamp: flock of 75 working over mud around flooded field at first turn in road. Black bellies very conspicuous. Were once flushed by the Cooper's hawk, but came back. Later a flock of about 10 returned. In with the red-backs were about 25 smaller, probably western sandpipers (LH).

Aug. 2, 1949 Mendota Pool, Calif. in winter plumage.

Feb. 24, 1950, 12-mile Stamp, Berlin Co. IBM. Flock of about 70. Still in winter plumage. Flight noisy, separate from the rest of the flock on about a 1/2 mile. Night time but getting light. The flock was in a flooded field with rye grass coming up. Was at first confused as to the identity of these birds as this is the 1st time I have ever seen them in winter plumage. Had killdeer with them to compare for size.

Apr. 1, 1961 Bodega Bay, Sonoma Co. Calif. 100's, some full reddish adults with the black bellies.

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| Date | Location and Observations |
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| April 27, 1941 | Newport: ^{on} standing in reeds near a pond about 1 mi. up. appeared to be a rare occurrence. |
| March 27, 1947 | Dumbarton Bridge, Lower San Fran Bay: ^{only} 40 or 50 Dowitchers on the flats. |
| May 6, 1947 | 12-mile Swamp: a pair seen at a distance, and then closer, and white area on back and rump was plain. Plumage was richly colored, chestnut. |
| Sept. 8, 1947 | Fern Ridge Dam: ^{on} observed a flock at a distance, and I saw one of it in a field to the west. They weren't flush till I got close to them. They were about 40-50 birds, mostly male, and I tried to get so close as to observe their feeding, but I lost them before I could get a line of center. Took out a flock of about 17 birds, mostly males, on the south side of the dam. First flock of 6-75 in a lot of water. |
| Feb. 8, 1948 | Fern Ridge Dam: ^a a flock of 5 were feeding in a slightly isolated groups a ways from the huge flock of other species on one of the mud-flats. |
| Sept. 8, 1948 | Sacra. Wildlife Refuge: scattered pairs flying around. Small flocks of 5-20 birds seen, and we saw one huge flock of 300-350 birds, containing few avocets and stilts. |
| Sept. 1, 1949 | Lower Alameda Lake, Calif. Next to Leont and Western ranches, this is the most numerous shorebird. We collected 7 between vireos. |
| October 19, 1949 | 4-miles So. of Sacramento, Calif. 8:30 a.m. 150-200 in irrigation overflow-pond. |
| Jan. 1, 1950 | Pond 1 mi. S of C.S.U. 16 on Excelsior Road, Los Angeles. Saw many feeding in shallow water with westerns and plovers. Many yellow-legs today. Even more present on Jan. 12 at 11:30 a.m. |
| Feb. 15, 1959 | Excelsior Rd., Santa Ana, Calif. - 25-30 w/ 2 Lesser yellowlegs. |

Observer Fred Evenden, Jr.

Number of field trips as field observer:

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| Date | Location and observations |
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| Apr. 12, 1944 | Mtn. Home Reservoir, Idaho. Saw 5 along the edge of the water. Quite small, 4-5" body, black bill and legs. Bill 1-1 $\frac{1}{4}$ " long. Tawny mottled above. Gray white below. Black spots on folded wings. Plaintive call notes. Head and neck, onto chest, a light gray-brown, streaked. A definite demarcation line between this color and the underside gray-white, on the chest. Their warning notes seemed to be a musical trilled-rattle. Seemed quite bold. Allowed me to approach to 10 or 15 feet, upright, before they flew. |
| Feb. 18, 1947 | Greenberry Flats, Benton Co. 2 flocks of these sandpipers were seen in a grain field beside the hiway. One flock had 64 in it by actual count, and the other was slightly larger - perhaps 70-80 birds. They were a light grayish brown above, and a clear white below, with just slight dusky suffusion across the upper chest. The bill was slender and at least as long as the head. The legs were black or dark brown. No dark patch was seen on the forehead. |
| Feb. 25, 1947 | 12-mile Swamp - a flock of 15-20 in muddy field east of the swamp, which flew into the swamp and joined the Yellow-legs, later, as we left the swamp, we saw them in the field again. I approached within 30 feet on foot, and observed them feeding, bathing, and preening while standing in 2" of HOH. |
| Sept. 26, 1947 | Fern Ridge Dam: scattered numbers of these birds were seen in the area, with no itching, but they were not as numerous as the least's. |
| Feb. 8, 1948 | Fern Ridge Dam: in a mixed flock with the leasts, a huge flock of several hundred or so, and perhaps a few Red-backs in with them. |
| Oct. 30, 1948 | Bay Farm Island, Alameda: at least 30,00 westerns and leasts in one flock! |
| Tule Lake, Calif. Sept. 1, 1948 | 1000's on the area. Have picked up 6 bird-like victims. |
| July 18, 1950 | Pope Beach Marsh, T. Taboe, Calif. Watched one walking on hard till ('stradderdock') leaves this afternoon. |
| Jan 16, 1960 | Delisting Billens, Alameda Co, Sacramento, Calif. 1 on gravel bar |

Observer Fred Evenden, Jr.

Number of field traps in which observed:
 Sanderling 1810-1811-1899-1938-2068-2187-2204-2206-2209-2242-2254-2343-2402-2421-2583-2627-2628-61-65-

Crocethia alba

| Date | Location and observations |
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| Feb. 10, 1941 | <p>Lightly smaller than ...; neck, chest ... of side ...
 bill, tail, the lower ... slightly ...
 continued ... at ... of ...
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 at the ... of the ...
 was not difficult. It ...
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| 11/12/73 | <p><i>Agate Mountain, Nev. ...</i></p> |
| Feb. 15, 1941 | <p>... ..</p> |

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Observer Fred Evenden, Jr.

Number of field trips in which observed:

Avocet

1317-1340-1354-1355-1381-1386-1477-1508-1521-1527-1530-1532-1594-1547-1554-1552a-1552b-1561a-1561b-1582a-1582b-1581a-1581b-1581c-1589-1598-1615-1617-1626-1633-1636-1637-1655-1669-1670-1681-1691-1698-1741-1743-1750-1797-1883-1908-1915-1946-1949-1971-1973-2003-2049-2063a-2096-2097-2133-2206-2209-2207-2254-2261-2265-2266-2273-2294-2329-2343-2376-2427-2447-2525-2526-2531-2532-2571-2574-2648-2654-2655-2656-2657-2658-2659-2660-2661-2662-2663-2664-2665-2666-2667-2668-2669-2670-2671-2672-2673-2674-2675-2676-2677-2678-2679-2680-2681-2682-2683-2684-2685-2686-2687-2688-2689-2690-2691-2692-2693-2694-2695-2696-2697-2698-2699-2700-2701-2702-2703-2704-2705-2706-2707-2708-2709-2710-2711-2712-2713-2714-2715-2716-2717-2718-2719-2720-2721-2722-2723-2724-2725-2726-2727-2728-2729-2730-2731-2732-2733-2734-2735-2736-2737-2738-2739-2740-2741-2742-2743-2744-2745-2746-2747-2748-2749-2750-2751-2752-2753-2754-2755-2756-2757-2758-2759-2760-2761-2762-2763-2764-2765-2766-2767-2768-2769-2770-2771-2772-2773-2774-2775-2776-2777-2778-2779-2780-2781-2782-2783-2784-2785-2786-2787-2788-2789-2790-2791-2792-2793-2794-2795-2796-2797-2798-2799-2800-2801-2802-2803-2804-2805-2806-2807-2808-2809-2810-2811-2812-2813-2814-2815-2816-2817-2818-2819-2820-2821-2822-2823-2824-2825-2826-2827-2828-2829-2830-2831-2832-2833-2834-2835-2836-2837-2838-2839-2840-2841-2842-2843-2844-2845-2846-2847-2848-2849-2850-2851-2852-2853-2854-2855-2856-2857-2858-2859-2860-2861-2862-2863-2864-2865-2866-2867-2868-2869-2870-2871-2872-2873-2874-2875-2876-2877-2878-2879-2880-2881-2882-2883-2884-2885-2886-2887-2888-2889-2890-2891-2892-2893-2894-2895-2896-2897-2898-2899-2900-2901-2902-2903-2904-2905-2906-2907-2908-2909-2910-2911-2912-2913-2914-2915-2916-2917-2918-2919-2920-2921-2922-2923-2924-2925-2926-2927-2928-2929-2930-2931-2932-2933-2934-2935-2936-2937-2938-2939-2940-2941-2942-2943-2944-2945-2946-2947-2948-2949-2950-2951-2952-2953-2954-2955-2956-2957-2958-2959-2960-2961-2962-2963-2964-2965-2966-2967-2968-2969-2970-2971-2972-2973-2974-2975-2976-2977-2978-2979-2980-2981-2982-2983-2984-2985-2986-2987-2988-2989-2990-2991-2992-2993-2994-2995-2996-2997-2998-2999-3000

Date | Location and observ time

May 17 1944 Mtn. Home Reservoir 4 to 6 p.m. NW18, 60°F
Saw one pair and a single, wading beak-deep at the edge of the water.

Mar. 27, 1947 Dumbarton Bridge, Lower San Fran Bay 11:00 PST - I saw 40 or 50 of them.
Mar. 19, 1949 NW of Vallejo, Solano Co. feeding with side-swipe forward motion.

April 23, 1949 Grey Lodge Refuge, Butte Co. 50% seen. feed by walking forward, sideswiping their bill as they go.

May 5, 1949 Gray Lodge Refuge, Calif. One small patch of "salt grass" where alkali concentrates were on top of the soil on this flat area contained 2 Avocet and 1 stilt nest. The adults were on the nests in plain view of us, just 50-60 feet from the car. The nests were always in the open, without protection of any vegetation more than 2" high. Found 3 avocet nests - all contained 4 eggs. The eggs were strongly tapered at one end, a gray-green color, with darker blotchings. They were larger than the stilt eggs, and a lighter base color, as well. I took one pic.

Sept. 1, 1949 Lower Klamath Lake, Calif. All - saw flocks; they are quite in considerable numbers of Knots. Lots of them seen.

May 1, 1952 Gray Lodge Refuge, Calif. many seen. Several nests with 3, 4, 4, & 3 eggs. John Cowan says they were present about 8 weeks ago.

June 4, 1952 Carson Sink at Pelican Island, Churchill Co. Nevada - observed my first downy young. Bill short, and only slightly recurved.

Feb. 3, 1953 Morro Bay, Calif. 190 in loose flock at SE corner of marsh - few getting brownish-red heads.

May 30, 1953 S.W. corner, Lake Tahoe - 4 adults at mouth of Little Truckee River, Calif.

Feb. 6, 1954 Bay Farm Island, Alameda Co. Calif. 170's seen - none with reddish heads.

Sept. 27, 1954 Suisun, Lake Tahoe, Calif. 14 seen. 3 with reddish brown heads.

Oct. 1, 1954 Suisun Bay, Calif. 121's seen. 10 with reddish heads.

April 23, 1958 Yolo Bypass, Woodland Road, Yolo Co. Calif. 304 seen.

June 6, 1959 Sears Point Rd, W of Vallejo, Solano Co. Calif. and Oakport Road, Alameda Co. Calif. where I watched one swimming deep tide channel

Oct. 10, 1959 Oakport Road, Alameda Co. Calif. saw 40-50 avocets, but none with red heads.

number of field traps on which on trees:

Black-necked Stilt 307-940-947-957-1180-1192-1200-1225-1239-1243-1251-1252-1256-1281-1691-1697-1917-1948-1962-1970-1997-2092-2113-2436-2531-2532-2594.

Himantopus mexicanus

| Date | Location and observation |
|---------------|--|
| May 12 1944 | Mtn. Home, Idaho, Reservoir ^{Lake} - 4 of them were wading in the shallow water about up to their "ankles". These are the first I have ever seen. They give a "yap ! yap !" call. White below, black above. White face with black around the eye and on the crown. Legs are a reddish pink. Very long. They drag them behind on the takeoff and hold them out behind in flight. Throw them forward like a heron when landing. I was within 25' of them. |
| May 5, 1949 | Gray Lodge Refuge, SN Butte Co. ^{Calif} only saw one nest, containing 4 eggs. It was with 2 of the avocet nests mentioned above. Nests were about 15 feet apart. The stilt eggs were the same shape as the avocets, but slightly smaller, and the gray-green color was much darker than the avocet eggs, and the blotching was much the same. |
| June 30, 1949 | Stillwater Wildlife Mgmt Area, Churchill Co. Nevada: 30 avocets, 50 of which were concentrated in areas where water was about 4" deep in the mud flats. A thin concentration of n. terns. Also 3 young. |
| Aug. 2, 1949 | Los Banos Refuge, Calif: 1/3 of stilts seen were in trees, with brown-grayish black, instead of pure black plumage. 10-15 seen. 3 stilts for every avocet in area. |
| Sept. 1, 1949 | Lower Klamath L., Calif. - only one seen, and it had no young |
| May 1, 1952 | Gray Lodge Refuge, Butte Co. Calif. Quite a few present. Cowan says they have been present about 3 weeks. New nests, but no eggs found. |
| June 9, 1957 | Natomas Dist. along Elverta Road, Sacto. Co. Calif. 15-20 in one rice check, and many others in the area. |
| June 2, 1960 | Rice field SW of Elverta Substation, Sacto Co, Calif. |

Observer Fred L. Vanden, Jr.

Red Phalarope

1201-1761-2187-2387-8-9-2688

Number of field trips in which observed:

Phalaropus fulicarius

| Date | Location and observation. |
|--------------|---|
| May 21, 1949 | Monterey and S. of Pt. Lobos, Monterey Co. ^{calif.} several seen with Northern Phalaropes on ocean in kelp beds with the sea otters. Most in winter plumage. In the late afternoon I saw 1 full adult working in slimy, shallow pond with Northern (145-150), north of Monterey. |
| Nov. 2, 1952 | Dillon's Beach, Marin Co. Calif. The night of the 1st, while on the beach about 10:30 p. . we heard this call, but couldn't check till morning. This morning we found several (12 or so) in winter plumage, and hardly recognizable as their action habits were completely changed, as they walked on the sand, after insects. So out of character! |

Observer: [illegible] V. H. [illegible], et al.

Number of field trips in which observed:
307-309-321-887-1229-1232-1239-1245-1281-1284-1296-1303-1307.

Wilson's Phalarope

15812-1615-1946-2099-2105-2110-2119-2121-2397-2756-8-2523-

steganopus tricolor

| Date | Location and Observations |
|---------------|---|
| May 12, 1944 | Mtn. Home, Idaho, Reservoir - Saw 20 or 30 feeding on the damp edge, or wading into the reservoir. Birds seemed mostly white on belly, and with white down back of neck, bordered by black, and this fused into reddish-brown, on side and front of neck and shoulders. They kept giving deep guttural notes. Back was dark in comparison to underparts. No wing stripe. Some were still in winter plumage. Saw one female chase another female away from a male. When they land from flight, they extend their wings vertically over their back. |
| June 21, 1949 | Battle Mtn. - Elko Nevada: several on stock water pond at 5800'. No marsh vegetation at all. Just open range and sagebrush. |
| June 22, 1949 | Mary's River, Elko Co. Nevada: dozens of pairs. Pairs often circled within 5 feet of my head, giving singular notes, continually. |
| July 15, 1949 | Stillwater Refuge, Fallon Nev - letter from Dave Marshall - 7-17-49
6,000 at a mud flat lake at N end of project - 16 mi of <u>Lyppia</u>
Also 4 Snowy Plovers. |
| Aug. 2, 1949 | Los Banos Refuge, Calif. In winter plumage. |
| Aug. 2, 1949 | Benicota Pool, Calif. In winter plumage. |
| Aug. 16, 1949 | 1/2 Bray Lake, Butte Co. Calif. two pairs observed in pairs of 30 and 50 in different places - white on belly and back. |
| 6/10/67 | Vancouver B.C. Hill Airport. 3 ps. 14 on T. nest west of Wiggles.
Dry ground, defined, grass - lined cups. |

Observer Fred Lynden, Jr.

Northern Phalarope

1760-1761-2266-2267-2268-2273-2274-2312-2347-2377-239-2421-2530-2575-2648-

Upper of lower trips on which observed:
77-152-307-309-883-947-974-1200-1201-1299-1305-1307-1309-1318-1340-1633-

Lobipes lobatus

| Date | Location and observations |
|---------------|---|
| May 18, 1941 | 12 mile strip south of Corvallis. ^{Or} Jitterbugs: ... while they were ... reddish-brown on the sides of the neck. |
| May 12 1944 | Mtn. Home, Idaho, Reservoir - 12 of them, out in deeper water, swimming around. Real jitterbugs! Gray head with reddish-brown on the sides of the neck. |
| May 30, 1948 | Beach south of Yreka, Calif. ^{Or} ... (without rufous across throat) on the largest of the ... among the dunes. Got within 15' of it ... It was ... flying ... |
| Oct. 4, 1948 | near Silver State Gun Club NW of Leetville Jct, Churchill Co, Nevada: 7 in winter plumage - black bill and feet. Black "tear" over eye area. In small pool at edge of hiway, and allowed me to approach within 10 or 12 feet of them. Using 7X glasses, they were big! When flushed they would fly only about 4 or 50 feet. |
| May 21, 1949 | ^{Calif.} S. of Pt. Lobos I saw some on the ocean kelp beds, near the sea lions. They were still in winter plumage. N. of Monterey I saw about 15 in a sliry, shallow pond about 6 p.m. Both cases associated with Red Phalaropes. |
| Sept. 1, 1949 | Tule Lake, Calif. ^{Calif.} ... 15 birds seen on lower ... Botulinum victims. |
| Oct. 15, 1950 | S.F. Bay to Farallon Islands and return. 2 or 3 small groups of 3-5 seen both ways. All in winter plumage. There were 1,000's in winter plumage on the waters around the island. Some stayed within 15-20 feet of our boat. All tended to remain in loose flocks or rafts on the water. |
| Oct. 1, 1956 | ... 3 seen on ... |
| Nov. 21, 1959 | Bass Lake, Eldorado Co. Calif. 1000' el. 9 a.m. 1 in winter plumage walking in curious manner on mud flats out of water. Back & forth. |

Stercorarius parasiticus

Parasitic Jaeger

Oct. 15, 1950 S.F. Bay to Parallon Islands: ^{calif} No full adults seen, but about 8 birds lacking tail elongations were observed. Best told by comparison of head markings when they approached.

Pomarine Jaeger

Stercorarius pomarinus

Jan. 31, 1956, near Thornton, Sacto. Co. Calif. 1 in front of storm clouds.

Stercorarius longicaudus

Long-tailed Jaeger

Oct. 15, 1950. S. I. Bay to Farallon Islands: ^{Calif.} Saw only one imm adult with 8-10" tail elongations going out and one coming back. "Tailless" birds could not be identified during the a.m., but on return trip there were several that approached within 40 feet of our boat and of 7 seen in 5 minutes, 4 were quite definitely long-tailed jaegers. I watched one jaeger chase 2 gulls in a.m. and in p.m. I watched 5 long-tails course in a close group behind the boat, cutting across the wake the gulls were following.

June 16, 1975, St. Lawrence Island, near Gambell Village on top of Severson's Mtn. This was common jaeger, tho all 3 may occur in one area at one time. On the tundra S of mtn, a pair came within 100 feet of us, they sat on the tundra, and as we approached they mated for 2-3 seconds, they heard giving long, drawn out scream call as they sailed over the mtn. ridge above the tundra and flats.

Heermann Gull

Larus heermanni

- October 30, 1948. Seal Rocks, Cliff House, San Francisco. ^{Calif.} Noon: Immatures are nearly black, w/red bill. Adults with white head, black tail tip, and red bill. On offshore rocks. None known inside the Golden Bridge.
- October 5, 1949 Yachats Park, Lincoln Co. Oregon. 1230 noon. 3 dark-headed individuals 1 full dark red bill and white trailing wing edge, and adult tail; other 2 gulls with dark-tipped pale bills. These gulls scattered through flocks of the other gulls - western, California, herring and ring-billed! On the sands exposed by the retreating tides
- November 6, 1949 Bolinas Lagoon, Marin Co. Calif. On Stimson beach there were 15 or 20 on the sand beach at edge of surf, and feeding out with the retreating waves. The sand beach was sharply terraced at this point.
- Dec. 6, 1949 Monterey Bay at Santa Cruz, Calif. - 150 on the coast, and 1 observed in creek or slough bathing & preening with other gulls in town.
- Oct. 15, 1950. S. F. Bay to Farallon Islands. ^{Calif.} saw very few gulls out but about 20 of some 80-90 gulls that followed our boat for many miles back were Heermann's. Of the 20, only 4 were definitely full adults. About 50 were seen around the islands, the ratio being 1 adult to 4 immatures.
- December 19, 1950 Monterey ^{Calif.} at 70 (only 15-20 of which were immatures) on rocky tide pool area at Pt near foghorn. Also a half-dozen immatures and part-adults at the Monterey wharf.
- Nov. 10, 1962, Monterey, Calif. 6:45-7a.m. St. 6-700 on parking area at Estero P., and these left and were flying out to S side of rock islands off Pt. Pinos at 7:15 at 100' el. while Calif. and W. Gulls were coming east.

Observer Fred L. Venden, Jr.

Number of field trips on island: 15

Glaucous - 1028a-1029a-1054-1079-1201-1334-1380-1383-1410-1419a-1532-1817-2268-2344-2433-2504-2660-61-
57-70-80-84-118-124-166-167-182-365-366-566-567-175-178-803-883-

Larus glaucescens

GLAUCOUS GULL: 366-1107-1110-1567-1756-2267-2403-2660-61-

| Date | Location and observations |
|--------------|---|
| Aug. 6, 1961 | Simons: Or. ... ? |
| 12/16/61 | ... mostly dark, ...
... (1) ...
...
... |

[illegible]

Observer Fred Livander, Jr.

Western Gull

Number of birds banded in the area

70-80-84-87-118-124-163- (168?) - 191-218-242-249-257-355-365-366-

441-446-471-566-567-607-609-628-688-710-775-776-778-968-987-990-993-1004-1005-

1003-1004-1005-1039-1040-1054-1055-1057-1061-1062-1079-1107-1109-1110-1113-1201-1264-1265-1266-1267-1291-1317-1329-1330-1331-1332-

1333-1335-1351-1354-1357-1358-1360-1361-1362-1380-1381-1384-1386-1410-1477-1530-

1533-1534-1536-1547-1630-1631-1633-1634-1674-1680-1683-1685-1686-1688-1689-1699-1701-

1756-1758-1759-1760-1761-1765-1786-1787-1795-1797-1808-1809-1810-1811-1829-1888-1899-1900-1901-1903-1904-1953-1955-1956-2076-2387-4-9-2660-61-

| Date | Location and Observations |
|----------------|--|
| August 8, 1947 | Lien Ridge Farm. Saw 4 immature birds of the year flying the area, and found one dead at the edge of the road. Plumage quite immature. |
| Oct. 15, 1950 | S. F. Bay to Farallon Islands: <i>off</i> some all the way out, and about 60-70 followed our boat back for many miles. Of the 65, 55 were 1st-year immatures, 20 were 2nd-year immatures or transitions thereof, and 10 were full adults. They were the most common gull on the islands. |
| Feb. 5, 1956 | Sealon Bay, Calif. 3 birds banded and 1 banded bird seen. Several other birds seen in the area. |

Island Gull -

12/16/76 Gulls - many, bird

Uniformly grey, white to black. Head white with grey and black tips. Some at the end of the head.

1. The first part of the document is a list of names and dates, which appears to be a record of some kind. The names are written in a cursive script, and the dates are in a more formal, printed style. The list is organized into two columns, with names on the left and dates on the right. The names are: John Smith, James Brown, William Jones, Thomas White, and Robert Black. The dates are: 1789, 1790, 1791, 1792, and 1793. The list is followed by a signature, which appears to be "John Smith".

Number of time target achieved per day:

Larva: recent, tus smithsoni, nuc

Observer Fred Evenden, Jr.

California Gull

Number of field trips on which observed:

102-137-190-191-192-193-204-206? - 339-365-366-446-488-489-490-515?-
1005-1031-1039-1040-1046-1047-1054-1055-1057-1058-1061-1073-1107-1109-1110-1113-1201-1205-1245-1265-1266-1272-
572-743? - 857-883-887-923-924? - 943-947-951-953-968-987-992-993-1001-1002-1003-1004-
1380-1381-1383-1420? - 1422? - 1429-1459-1460-1468-1473-1474-1477-1494-1496-1497-1510-1535-1532-1533-1542-1545-1554-1561-1577-1578-1579-1580-1586-1607-1611-
1613-1623-1628-1630-1631-1637-1646-1679-1680-1683-1685-1686-1699-1704-1710-1750-1757-1770-1771-1809-1811-1861a-1828-1829-1830-1874-1882-1901-
1916-1927-1932-1938-1939-1945-1946-1949-1950-1968-1998-2010-2024-2029-2031-2032-
2040-2041-2047-2048-2049-2667-

California Gull

Location and observations

- April 10, 1942 | Corvallis, ^{Or} - stomach analysis of one of a pair collected at Corvallis, ^{Or}. The stomach contained a single, small, white, unidentified object, most likely of a fish or shrimp, about 1.5" long.
- Jan. 25, 1947, | Yachats River bay, ^{Or} - standing in scattered flocks on sand bar in the bay, and shifting with the small changes in wind direction, taking advantage of what "air pockets" they could find in this near-gale storm. An example of a response to micro-environmental demands.
- Jan. 25, 1947, | Yaquina Bay, south side ^{Or} - a flock of around 500 standing on a sand point in the bay, semi-shelter from the strong SW winds.
- March 28, 1947 | Berkeley on Ferry to San Rafael, ^{Cal} 9 p.m. several flew by the ferry after dark.
- June 2, 1950 | Stillwater Refuge, Churchill Co. Nevada LBM. Found 18 nests. They are a depression lined with small sticks. One nest empty, 3 nests with 1 egg; 4 nests with 2 eggs; 5 nests with 3 eggs.
- March 10, 1959, | Kalama-Kelso, Cowlitz Co. Washington. 10,000's scattered along miles and miles of Columbia River and sloughs.

Number of field trip on which observed:

Short-billed Gull 1133-1201-1391-1410-1419a-1547-1577-1745-2187-2580-2587-
284-356-(7997)-803-832-991-1040-1028a-1029a-1079-1083-1098-1130-

Larus canus brachyrhynchus

| Date | Location and observations |
|-------------------|--|
| Mar 15, 1944 | Pudding River, Woodburn, Oregon. 150 of them followed behind a tractor and plow, feeding on earthworms turned up; near Percy Seeley's place |
| Jan. 25, 1946 | Hughes' Bottom, Butte Creek Road. ^{Or.} Several 100 of them, mostly immatures, Adults had yellow-green bill and feet. Tail white, mantle light pearly grey, rest of body white. Gray brown body on immatures. |
| Dec. 22 +23, 1949 | New Era, Clackamas Co., Oregon - Heavy wind & rain storms just few days & observed small flocks of these gulls the past two days, working a freshly plowed field adjacent to the highway. Most on ground - few in air. |

Observer Fred Iverson, Jr.

Number of birds taken on each date

118-167-182-223-271-288-298-305-446-542-545-569-993-922-968-171-993-
1216-1224-1226-1227-1234-1240-1265-1277-1279-1299-1301-1313-1317-1318-1332-1334-1351-1354-1355-1380-1419-1534-1542-
1544-1559-1560-1579-1580-1561a-1581-1620-1631-1634-1683-1685-1694-1705-1748-1756-1757-1758-1785-1786-1787-1788-1791-1795-1796-1809-1814-1838-1851-1841-
1860-1899-2103-1945-1946-1949-2004, 2018-2022-2037-2040-2047-2055-2235-2238-2240-2446-2525-2661-

| Date | Location and observations |
|----------------|--|
| Aug. 7, 1947 | Hayward, Calif. abundant, and following newly turned furrows of the plough, in a field next to the highway. |
| March 27, 1947 | Hayward, Calif: abundant, and following newly turned furrows of the plough, in a field next to the highway. |
| Sept. 1, 1949 | Trilo Lake, Calif. seen to be the gull species indicated by the birds. |
| Dec. 6, 1950 | Oso Flaco Lake, S. Luis Obispo Co. Calif. 645 p.m. dozens pouring into the lake at sundown from the cultivated farm lands to the E. and S.E. |

Laughing Gull
Larus atricilla

Feb. 22, 1951 Laguna Madre, N of Port Isabel, Texas - perched on sand spit at edge of Laguna. Gave call several times.

Feb. 20, 1953 N of Galveston, Galveston Co. Texas. 1st at Sabine Pass, then several dozen followed ferry to Galveston and I tossed them bread, which they caught in stiff breeze in mid-air.

Larus pisixcan

Franklin Gull

Observer Fred Evenden, Jr.

Number of birds banded or seen:

Donaparte's Gull 1200-12437 - 1332-1351-1518-1888-1900-1901-1963-1964-2055-2072-2099-2114-2187-2204-2237-2273-2274-2295-
70-191-192-193-228-251-569-571-986-990-991-992-993-1001-1042-1039-1107-1110-
2338-2343-2387-2583-4-2637-8-9-42-3-54-58-
Larus philadelphia

| Date | Location and observations |
|----------------|---|
| Oct. 4, 1943 | Vashon Island, Magnolia Beach, Tacoma, Washington
Encountered several large groups of them flying over the water or
all perched on the sand bars that stick out into the water. |
| March 27, 1947 | Dumbarton Bridge, Lower San Fran Bay, 1100 PST, quite common, for I saw
25 or 30 riding on the water. |
| May 12, 1952 | Carson Valley, along U.S. 395, N of Minden, Nevada - 2 p.m. 2 seen,
but neither in full adult breeding plumage. |
| May 16, 1952 | Tulare Lake, Kings Co. Calif. 1 seen, not in full adult breeding plumage. |
| Nov. 3, 1960 | Napa R. Estuary, Solana Co. Calif. several in imm. or winter plumage. |

Rissa tridactyla pollicaris

- March 26, 1947 - Ecola State Park, Clatsop Co: ^{Or} 2 small flocks of gulls heading north offshore. Solid black wing tips noted. Most likely of this species (by Tom McCallister)
- March 28, 1947 - Manzanita Beach, Tillamook Co: ^{Or} one dead one on the beach. Similar in appearance to a Short-billed Gull except for the black wing tips and the black feet. Adult (by Tom McCallister).
- October 5, 1949 Neptune State Park, Lane Co. Oregon - My first obs on this species. I saw 3 about $\frac{1}{4}$ -mile offshore, paralleling swell crests with the two shearwaters - sooty and pink-footed.
- April 19, 1951 Pt. Pinos, Pacific Grove, Calif. 1220PST. some adults and immatures sunning and preening on rocks at edge of hiway drive. Saw 55-75 off Pt. Pinos, too.

Sabine's Gull
Xema sabini

Feb. 22, 1951, Laguna Madre, N of Port Isabel, Texas. some perched on sand spits, and a few flying, thus giving good view of black and white pattern on the wings.

Carroll and
Laguna Madre

Feb. 22, 1951 - near Port Isabel Texas - over open pond near hiway - salty water.

6/5-6/80 *Colicatus* NW, Va. *Sargassum* F+C + w/ "leaves" wing beat.

Observer Fred Evenden, Jr.

CASPIAN

~~Gull~~ Tern

Number of field trips on which observed:

236, 249, 251, 923-1182-1217-1239-1243-1275-1284-1303-1313-1544-1561-
2119-2137-2152-2173-2242-2409-2421-2530-2531-2627-
1566a-1581-1612-1615-1636-1657-1646-1674-1686-1687-1705-1710-1743-1855-1845-1853-1854-1861-2103-

~~Sterna hirundo~~ ~~hirundo~~

HYDROPROGNE CASPIA IMPERATOR

| Date | Location and observations |
|----------------|---|
| Sept. 22, 1943 | Steilacoom, Wash.
First I have ever seen. They were quite small when compared to the gulls with which they were arguing, to see which would possess the chances at a school of fish below them. They had a high pitched call. Colorations were not very distinct. Have about a 12" wingspread. |
| Oct. 2, '43 | Vashon Island, Tacoma, Washington.
They were always pointed into the wind. Foreheads white with black more to the side of the head. Got up within 15' of a small group of 8 of them perched on the railing of Shawnee Dock. |
| July 27, 1948 | East side, Alameda Lake: ^{one} out of the water. It called like a "clister" Tern and with a notched tail. |
| Aug. 2, 1949 | Mammoth Pool, Calif. 5 on mud flats. flushed and circled about 10', giving very raucous call notes. Watched one and a 7' dive into the San Joaquin River, and come up from complete submergence with a 6"-4" fish held cross-wise in its bill. The fish was shiny-silver color - probably a copious feeding at the surface. |
| June 2, 1950 | Stillwater Refuge, Churchill Co. Nevada DBM. Found 107 nests present on the island. Nests a depression but not lined.
23 nests had 1 egg; 76 nests had 2 eggs; and 8 nests had 3 eggs |

986 - 1001 - 1003 - 1054 - 1251 - 1264 - 1265 - 1351 - 1578 - 1579 - 1580 - 1630 - 1704 - 1758 - 1829 - 1854 - 1899 - 1932 - 1953 - 1954 - 1956 - 1962 - 2113 - 2457-8.
2570 - 2654 -

Common Tern

Sterna hirundo hirundo.

Sterna paradisaea

Arctic Tern

Oct. 15, 1950. S. F. Bay to Farallon Islands: ⁶⁴1 seen about 1 mi. out from Golden Gate in morning. Perched on floating piece of wood, but flushed when we approached. Circled us so we had good view of them, seeing red bill.

Observer Fred G. Evenden, Jr.

FORESTER'S

Caspian Tern

STERNA FORSTERI

~~Hydroprogne caspia Imperator~~

Number of field trips on which observed:

1265-1273-1275-1277-1284-1289-1291-1299-1313-1319-1351-1579-1581-1603-1604-1615-1617-1620-1622-
1758-1899-1919-1938-1953-1956-1963-2026-2055-2096-2239-2242-2243-2262-2310-2343-2357-2363-2381-
2453-2460-2521-2523-2525-2530-
923-950-971-986-992-1001-1060-1163-1183-1200-1242-1263-

| Date | Location and observations |
|---------------|---|
| July 27, 1948 | East side Klamath Lake: ^{one} Caspian tern, the only one observed. |
| June 30, 1949 | Stillwater Mgmt Wildlife Area, Churchill Co. Nevada: 10 around an island of nutgrass. Island and nested down except for one, and built up quite high by the dead stalks. 1 nest on the island, one with 3 eggs and the other with 4. Eggs laid on the nutgrass stalks which had been built up slightly where the eggs were laid. 7 birds on the island. 19. |
| Sept. 1, 1949 | Lower Klamath L., Calif. 75 in one flock. 19. |

August 15, 1949 Benicia, Solano Co. Calif. East edge of city limits at Engineer's Ferry Boat House. This noon I spotted 3 very small terns with several other short-tailed ones that proved to be Forrester's Terns in various stages of plumage. The 3 smaller ones had dusky bills, more yellow at the base, and the legs were distinctly yellowish instead of orange-red as in the Forrester's. Their call was higher pitched than the Forrester's. Also they had dark patches on the wings not present on the Forrester's. There is little doubt in my mind that these were Least Terns - a new life-listener for me. All these terns were working together against a north wind along the east side of this arm of Carquinez Straights, hovering about 10 feet over the water, and plunging below the surface whenever they spotted a fish, or other item of food. They would work upwind 50 yards, and then drop swiftly back to the "foot" of the feeding area, and start the course over again. They were observed to eat their catch on the wing, and then proceeding with the fishing. This section of the bay has a narrow strip of sandy beach, with some emergents such as f-square and cattails on the land side of the sand areas. Rocks protrude from the bay in shallow water. Murky water.

5/24/70, Ocean City, north end, Md. many with 2 eggs under them on sand fill of RE development

2234-2238-2239-2242-2243-2421-

Thalasseus maximus

Royal Tern

May 6, 1949 SE of Trowbridge, Sutter Co. 13-430 over one 50-acre chunk of rice paddies that were flooded.

May 1, 1952 Noddy-petrel eggs on beach. 120. Noddy seen in
fields a year ago. 120. Noddy seen in
May 30, 1953 54 corner Lake Tahoe. 18-19 over open Beach Marsh.

Rynchops nigra

Black Skimmer

Feb. 21, 1953, just N of Rockport, Aransas Co. Texas - after covering miles of gulf coast in stiff breezes past 2 days we found a raft of at least 250 of them on bar at edge of Gulf.

6/5/90 *Chiloteague NM. Va. Saw watched long time. Always observed coveys + redwings*

Observer Fred Everset, Jr.

California Murre 3561&&

Uria lomvia californica

164-182-366-441-567-884-1759-1760-1761-2254-2377-8-9-2422-2660-2687-

| Date | Location and comments |
|---------------|---|
| Aug. 2, 1944 | St. B. Is. to Farallon Is. I found one alive, but heavily oil soaked. It was easily approached. Saw one later in the day on offshore rocks, just north of the Devil's punchbowl. |
| March 10 1946 | Nelscott and Boiler Bay I found one alive, but heavily oil soaked. It was easily approached. Saw one later in the day on offshore rocks, just north of the Devil's punchbowl. |
| Oct. 15, 1950 | F. F. Bay to Farallon Islands: (all) these were most abundant Alcids seen on trip out - perhaps a total of 150-175 in winter plumage, singly, or in groups of 2 or 3. Very few seen on trip back. Very chop, rough sea on way out, and calm on return trip. About 40 about islands. |
| Mar. 28, 1953 | Monterey Penin. Monterey Co. Calif. Seen in summer plumage, <i>oil soaked</i> . |
| Oct. 14, 1955 | To Farallons: Very few seen till at least half-way to islands. All in fall plumage. Few about 50 group. very common from then to group. |
| July 5, 1970 | Depoe Bay, Oregon. 100's coming and going up and down the coast, both close in and offshore. |
| July 6, 1970 | Three Arch Rocks and Cape Meares, Tillamook Co. Oregon 1000's. Could hear their cries from the rock islands above the surf, long before we reached the coastal view. |
| Feb. 2 1975 | Otter Rock, Devil's punch Bowl, Lincoln Co. Oregon. 1015 a.m. watched 2500-3000 peeled off top of rock from north to south and out to sea to feed, just like pulling a table off a table! |

Observer Fred Ivensen, Jr.

Pigeon Guillemot
2639-60-65-

Cephus columba

Number of birds taken: 164-741-566-567-651-884-1129-1147-1201-1634-1688-1689-1760-1761-1827.

Location and observations

- March 26, 1947 Ecola State Park, Clatsop Co: ^{0¹} all in spring plumage.
- June 15, 1947 Yaquina Head, Agate Beach ^{0¹} - saw several dozen of them feeding in the rolling sea off the south side of the head, and flying back and forth to the steep rocky walls of the head, up to 50 feet above the water. One bird stayed pretty close to a small ledge which may have been a roosting site. Two were swimming close together offshore so I threw a rock between them, and both dived immediately, one coming up again immediately, only a few feet away, and took off into the air without so much as ruffling on the surface - she practically flew out of the water, and the other bird stayed under over a minute, and came up 15-20' away.
- May 31, 1948 Yaquina Head, just N. of Agate Beach ^{0¹} - seen on Agate Beach, and a curious antic. on the rock. - pale-plum, and a few of the birds, color than others, and a few. Many in the air.
- Mar. 20, 1957 Depoe Bay, Oregon - 9 flying north in steady line.
- Aug. 20-21, 1961 Depoe Bay, Lincoln Co. Oregon. adults feeding young in nests in sandstone cliffs having easterly exposure, opposite folk's cabin.
- Aug 22, 1961 Battle Rock State Park, Curry Co. Oregon. 1-1:30 p.m. PDST. adults carrying food to young on north face of Battle Rock.
- 8/26/54 - 134 reports of many nestlings on cliffs to S. of the cove. Adults already coming, but not nesting.
- July 5, 1970 Depoe Bay, Oregon. As many as 25-30 adults off Martin's. Some coming and going regularly from sandstone cliff nest cavities.

Black Guillemot - Cephus grylle

12/27/65, Bethany Beach--Chesapeake area, Sussex Co. Delaware. 2 off the beach.

American Marbled Murrelet

Brachyramphus n. marmoratus

June 24, 1950

Monterey-Point Lobos, Monterey Co. ^{Calif} observed one around low rocks just offshore of mouth of Malpas Creek south of Pt. Lobos.

Synthliboramphus antiquus

Ancient Murrelet

Cassin Auklet

- Oct. 15, 1950. S. F. Bay to Farallon Islands: ^{only} 2 seen on trip out, but 20 or 30 seen on return. At the islands, all in dark winter plumage - they would dive at the slightest provocation. About 20 seen - usually 2 or 3 in one small area offshore. Some flew and thopped ahead of the boat with typical duck "bounded and lead-away" antic.
- October 16, 1950. To Farallons: 2 or 3 within mile or two of island. Further toward Coast in Some about 20 seen, most seen in and would make runs to surface before diving. Very common in

Observer Fred. G. Evenden, Jr.

Rhinoceros Auklet

Cerorhinca monocerata

Number of field trips on which observed:
192-225/-2387-9. 3575-79-

| Date | Location and observations: |
|---------------|---|
| Mar. 28, 1953 | Monterey Penin, Monterey Co. Calif. In summer plumage - oil soaked. |
| Aug. 21, 1961 | <p>Parakeet Auklet</p> <p><u>Cyclorhynchus psittacula</u></p> <p>2 mi off Depoe Bay, Lincoln Co. Oregon, in Pacific Ocean. 3 of them seen within 30 feet of boat for several minutes.</p> |

Acting Regional Refuge Supervisor

June 26, 1970

Pilot-Biologist

Aerial Colonial Bird & Mammal Census - Oregon Offshore Islands, June 13, 1970

The following resume indicates over 200,000 colonial birds were nesting on the islands this summer, 1,815 sea lions were observed and 80 harbor seals were also seen.

A significant loss of sea lions on Three Arch Rocks was the most noticeable change from the census made a year ago. No dead animals were observed on the island and none were observed floating at sea or on the shore.

| Islands | Murres | Cormorants | Gulls | Sea
Lions | Harbor
Seals | Puffin |
|------------------|--------|-----------------------|-----------|--------------|-----------------|--------|
| Goat Island | 2,500 | 180 | 650 | --- | -- | * |
| Twin Rocks | 3,800 | 180 | --- | --- | -- | * |
| House Rock | ----- | 50 | --- | --- | -- | * |
| Whale Head | 3,000 | --- | 600 | --- | -- | 125 |
| Leaning Rock | ----- | 50 | --- | --- | -- | - |
| Mack Reef | 6,000 | --- | 200 | --- | -- | * |
| Crooks Point | ----- | --- | 75 | --- | -- | * |
| Hunter Island | ----- | 50 | 275 | --- | -- | * |
| Rogue River Reef | 2,000 | 150 | 50 | 380 | 45 | - |
| Hubbard Island | 2,600 | 100 | --- | --- | -- | - |
| Island Rock | 3,800 | 200 | 600 | --- | -- | * |
| Red Fish Rock | 10,500 | --- | --- | --- | -- | - |
| Orford Island | 8,000 | --- | --- | 600 | -- | - |
| Blanco Reef | ----- | 800 | --- | --- | -- | - |
| Gull Rock | 6,000 | 900 | --- | --- | -- | * |
| Castle Rock | 2,600 | 600 | --- | --- | -- | * |
| Tower Rock | 6,000 | 60 | --- | --- | -- | - |
| Pace Rock | 12,000 | 300 | --- | --- | -- | * |
| Coquille Point | 700 | 50 | --- | --- | -- | - |
| Table Rock | ----- | --- | 400 | --- | -- | * |
| Cox Island | ----- | rest only | --- | --- | -- | - |
| Sea Lion Caves | ----- | no nest-
ing birds | --- | --- | -- | - |
| Heceta Head | ----- | 125 | --- | 275 | -- | - |
| Conical Rock | ----- | 110 | 200 | 125 | -- | * |
| Seal Rock | ----- | --- | rest only | 300 | -- | - |

[illegible]

| Islands | Murres | Cormorants | Gulls | Sea
Lions | Harbor
Seals | Puffin |
|------------------------------------|---------|------------|-------|--------------|-----------------|--------|
| Yaquina Head | 3,800 | 185 | 350 | --- | --- | * |
| - Otter Crest Island | ----- | 90 | --- | --- | --- | - |
| - Gull Rock | 2,000 | 400 | --- | --- | 35 | - |
| - Two Arch Rocks | 8,000 | 550 | --- | --- | --- | - |
| - Three Arch Rocks | 80,000 | 250 | --- | 55 | --- | - |
| 7 Haystack Rock <i>Cape Mearns</i> | ----- | --- | 1,200 | --- | --- | * |
| - Cape Mearns <i>Rock</i> | ----- | --- | --- | --- | --- | - |
| - Pillar Rock | 8,000 | 180 | --- | --- | --- | - |
| - Pyramid Rock | 1,800 | --- | --- | --- | --- | - |
| Jocky Cap Island | ----- | --- | 300 | --- | --- | * |
| Haystack Rock <i>Cape Mearns</i> | ----- | --- | 600 | --- | --- | * |
| Bird Rocks | 8,000 | 1,800 | --- | --- | --- | - |
| Sea Lion Rocks | ----- | 700 | --- | 80 | --- | - |
| Tillamook Head Rocks | ----- | 800 | --- | --- | --- | - |
| Light House | ----- | 150 | --- | --- | --- | - |
| <hr/> | | | | | | |
| TOTAL ---- | 186,100 | 9,010 | 5,500 | 1,815 | 80 | 125 |

* Birds (Puffins) are present in unknown numbers.

Raymond M. Glahn

cc:

William L. Finley NWR

David B. Marshall

1. The first part of the document is a list of the names of the persons who have been appointed to the various offices of the city.

1. The first part of the document is a list of the names of the persons who have been appointed to the various offices of the city.

2. The second part of the document is a list of the names of the persons who have been appointed to the various offices of the city.

3. The third part of the document is a list of the names of the persons who have been appointed to the various offices of the city.

Observer Fred Ivenden, Jr.

Horned Puffin

Number of field trips on which observed:
628-

Fratercula corniculata

| Date | Location and observations |
|--------------|---|
| May 18, 1947 | Leal Rocks, Lincoln Co. ^{01st} Found one dead & washed up by the tides. |

Observer Fred Lenden, Jr.

Turted Purin 2789-3569&&

Number of field trips on this observer:

Landa cirrhata

| Date | Location and observations |
|-------------------------|---|
| May 18, 1947 | Sell Rocks, Lincoln Co. - found one dead, and washed up by the tides. |
| July 6, 1970 | Cape Meares, Tillamook Co. Oregon. Ad and young in water. Ad. and downy young at burrow on grass-tussock slope on mainland. |

Observer Fred L. Lunden, Jr.

Number of birds banded in field reserve:

Band-tailed Pigeon

1-4-7-56-64-65-70-94-118-135-145-154-161-166-179-192-215-228-242-243-
249-312-343-405-453-506-610-613-614-617-619-621-623-635-639-642-668-670-672-
693-704-707-711-727-751-847-849-866-873-885-890-892-893-894-904-1015-1016-1033-1035-1036-1037-1038-1042-1058-
Columba f. sci. 1065-1068-1069-1070-1071-1074-1083-1085-1087-1089-1099-1123-1134-1178-1185-1186-1198-1201-1297-
2070-2307-2311-2326-2344-2378-2401-2412-2468-2481-2482-2580-2634-2656-2657-41-2-4-67-49-2686-89-

Date Location and descriptions

- March 19, 1941 Occurn, Ag. Mt. Ore. ^{Or} like description of bird but five or six. It looked almost twice as large as the common one. The feathers were a pale red or pinkish color. It was very tame and came close to the rear of the car. The bird was very tame and came close to the rear of the car. Upper body seemed to be blue-green or light green.
- April 20, 1941 Reoria Ferry, Ore. ^{Or} flock of nearly 100 seen in the open country. In the vicinity of Corvallis, Oregon they were very tame and came close to the rear of the car.
- Sept. 17, 1941 Occurn, Ag. Mt. Ore. ^{Or} like description of bird but five or six. It looked almost twice as large as the common one. The feathers were a pale red or pinkish color. It was very tame and came close to the rear of the car. The bird was very tame and came close to the rear of the car. Upper body seemed to be blue-green or light green.
- Sept. 19, 1942 St. Louis, Ore.: Saw large flock of Band-tailed Pigeons heading south across part of the French Prairie country between here and St. Louis.
- November 6, 1942 Port Townsend, Wash. A flock of 30 or 40 of these birds were feeding on the berries of the Macon (Arbutus menziesii) this afternoon. Many of them would get some fruit in their mouth and then fly to another tree to eat it.
- March 15, 1943 Woodburn - 1 one - it solitary Band-tailed Pigeon seen in a tree, and then flew into a walnut tree. It did not seem to fly far away, seemingly. It had a little control over its flight. It was very tame and came close to the rear of the car. The bird was very tame and came close to the rear of the car. Upper body seemed to be blue-green or light green.
- May 25, 1946 Corvallis-Reoria Ferry. ^{Or} 630 a.m. We saw a flock of 60-80 of them in a grain field beside the Pacific Hiway, as we went out. All took to the air as we approached.
- May 1, 1947 Stewart Lake 8 a.m. ^{Or} a pair were observed perched quietly in the top of an oak.
- May 3, 1947 Woodburn, Pudding R. ^{Or} flushed 32 from the top of some firs in the woods.
- May 10, 1947 2 miles north of Corvallis, ^{Or} 5 p.m. 6 of them came down a valley and lit in the top of a clump of oak beside the creek, in open area.
- May 13, 1947 - I saw a single, and later a flight of 15 to 20 came over the swamp, circled and dropped into the field next to the FR tracks. ^{Or}
- May 24, 1947 Santiam River, Foster, Linn Co. ^{Or} a pair in a l. fir clump of 5 trees, near an old orchard, where they were probably attracted to feed on cherries.
- May 27, 1947 12-mile Swamp: ^{Or} 4 flushed from the ground near an old creek bed.
- May 31, 1947 Milk Ranch, Abiqua Creek ^{Or} flushed 4 or 5 from a fir clump on open S. slope.
- June 30, 1947 MacDonald Forest, Saddle area ^{Or} flushed 4 from top of a l. fir.
- July 2, 1947 MacDonald Forest, Soap creek side ^{Or} nest a few feet in l. fir, on N. side.
- Aug. 28, 1947 Glenbrook, and vicinity, Benton Co. ^{Or} 5 p.m. on one oak hillside over 40 birds in the top of the oak, and they were very tame and came close to the rear of the car. They have been very tame and came close to the rear of the car. The bird was very tame and came close to the rear of the car. Upper body seemed to be blue-green or light green.
- Jan. 29, 1949 Bradley-Jolon, Hunter-Liggett Reservation: 10 a.m. large flocks in the tops of oaks, and on the ground everywhere on plowed and stubble fields. In a strip about 1/2-mile wide on each side of the hiway, we saw at least 2500 birds in 10 miles of road. Also noted that often the flocks were on the ground only under the scattered oaks. Warren Smith, the local warden has had to issue many permits to satisfy the ranchers who complain of their wrecking their crops.
- Feb. 6, 1949 Sacramento-Gray Lodge Refuge. ^{Calif} at least 300 seen in small flocks in fields and trees.
- April 4, 1949 Sacramento ^{Calif} flying over State Fair grounds.
- July 31, 1949 3 p.m. Weed + Dunsmuir, Calif.

Oct. 3, 1949, Huckleberry Hill, Lincoln Co. Oregon. 8-10 around cabin, mostly perched in tops of live and dead spruce, and few in lodgepole pine. On Oct. 4 ceiling zero, R- and S 15-25 m.p.h. when about 20 pigeons were perched in one spruce and 2 spruce snags from 8 a.m. till at least 4 p.m. No less than 6 were seen at these perches during this time. Rain didn't seem to effect them.

March 22, 1950 East of Smartville, Yuba Co, Calif - saw over 100 birds about 8:15 a.m. flying in small groups of up to 30 birds in this area of digger pine - chaparral.

Jan. 5, 1951 Hogan Res. Calaveras Co. Calif: 350 seen - first time they have been seen in the reservoir area in the 10 years Mr. Ballard has been caretaker there. Game Warden states that they are in by the 1000's near Murphy's and Railroad Flat, further into the mountains.

March 19, 1951 Hogan Res. Calaveras Co. Calif. Mr. Ballard states that the Jan. pigeons hung around 2-3 weeks.

June 2, 1951 Clear Lake & Inland Co. Oregon 11:00 - 3:00 p.m. 200
Many flocks of band tailed in area

May 5, 1951 Vicnty of Bass L., Eldorado Co. Calif: flock of over 80 in digger pine towering above live oak woodland on N slope of ridge. When flushed, kept returning to this tree.

Mar. 13, 1952 Uvas Cr, W of Gilroy, S. Clara Co. Calif. 0840PST. 150 feeding on olives - others seen perched in digger pine and oaks on hillsides of this area.

Dec. 30, 1953 E. of Shasta, Inyo Co. California. 2 seen. 11:00 a.m.

June 25, 1954 U.S. 50, E of Fresh Pond, 2 miles, Eldorado Co. Calif. a pair fir area.

May 10, 1954 Asilomar, Pac. Grove, Monterey Co. Calif. 2 seen on TV antenna.

Sept 23, 1955 Shasta City, Shasta Co. Calif. 4:30 p.m.

Apr. 2-4, 1955 Pacific Grove, Calif. Flocks of 8 to 10 present.

March 12, 1957 Cottonwood, Calif. Many seen in fields of bottom lands.

SEPT. 25, 1957 E of El Centro, U.S. 99, El Centro, Calif. Flocks of 15-20 in pine-oak scrub area.

April 23, 1958 20 miles N of Monticello Reservoir in Lake Co, Calif - 15-20 in pine-oak scrub area.

Sept. 25, 1958 - Bucks Creek Powerhouse, Feather R. Canyon, Butte, Calif. - 35-40

Sept. 25, 1958 - Jct. East Branch and N. Fork, Feather R. near Belden Calif. 6 seen.

Sept. 25, 1958 - Indian Valley, US40Alt. Plumas Co. Calif. 25-30 seen.

Sept. 26, 1958 - Quincy - Portola Jct.. US40Alt and CSN 89 - 15-20 seen.

Sept. 26, 1958 - Blue Canyon area along US40, Calif. 35-40 seen at 4:30 p.m. PST.

June 11, 1958 - American R. Sacramento, Calif. over 100 perched in tops of dead cottonwood by river at 8 a.m. They were inactive.

Aug 21, 1960 N of Solana Flat, U.S. 99, Shasta Co, Calif.

Feb. 25, 1963 S of Wolf Creek, U.S. 99, SW Oregon - 11 over-hanging

March 10, 1962, Gateway Retreat House SW of Colfax, Placer Co. Calif. 27 Orel.

Perhaps 1,500 or more in pairs to 40-50 per flock from east up out of N. Fork canyon to SE of Colfax. Some flocks were flying back toward the canyon at 4:15 p.m. while it was snowing lightly as we left for Sacto.

6/11/67 - Venture to Port Kienew BC. Perched on white lines along road!

Observer Fred Evenden, Jr.

Rock Dove
1774-

Number of field trips on which observed:
101-105-116-139-161-275-389-370-1309-1519-1524-1528-1580-1579-1676-1691-

Columba livia livia

White-winged Dove 234

| Date | Location and Observations |
|------|---------------------------|
|------|---------------------------|

Red-billed Pigeon

| | |
|------------------|--|
| June 20-21, 1964 | Santa Ana NWR, Hidalgo Co. Texas. 1 seen, 1 on nest. Several calling.
3 at Pentsen-2. Grande St. Ark. |
|------------------|--|

White-fronted Dove

| | |
|------------------|---|
| June 20-21, 1964 | Santa Ana NWR, Hidalgo Co. Texas. 11, with one on nest. |
|------------------|---|

1199-1201-1202-1206-1210-1220-1224-1226-1228-1229-1230-1232-1234-1235-1236-1239-1245-1247-1251-1252-1254-1255-1256-1266-1274-1275-1278-1280-1281-1283-1284-1285-1293-1294-1295-1296-1298-1299-1302-1305-1307-1308-1309-1311-1313-1325-1326-1338-1343-1365-1370-1371-1372-1373-1375-1379-1385-1388-1390-1393-1424-1426-1427-1438-1445-1446-1452-1461-1466-1468-1470-1497-1499-1501-1503-1505-1506-1515-1520-1524-1525-1527-1528-1529-1536-1540-1541-1543-1544-1563-1571-1572-1581-1583-1587-1588-1589-1590-1592-1591-1593-1594-1595-1600-1601-1602-1603-1604-1606-1608-1609-1610-1614-1617-1618-1619-1620-1621-1622-1625-1626-1629-1630-1631-1632-1634-1638-1640-1641-1642-1643-1644-1646-1650-1658-1659-1662-1664-1665-1667-1668-1669-1670-1671-1672-1673-1674-1675-1676-1677-1678-1679-1680-1684-1687-1688-1689-1690-1691-1692-1693-1694-1695-1696-1697-1698-1699-1700-1701-1702-1703-1704-1705-1706-1707-1708-1709-1710-1711-1712-1713-1714-1715-1716-1717-1718-1719-1720-1721-1722-1723-1724-1725-1726-1727-1728-1729-1731-1749-1762-1763-1764-1765-1766-1767-1768-1769-1770-1771-1772-1773-1774-1775-1776-1777-1778-1779-1780-1781-1782-1783-1784-1785-1786-1787-1788-1789-1790-1791-1792-1793-1794-1795-1796-1797-1798-1799-1800-1801-1802-1803-1804-1805-1806-1807-1808-1809-1810-1811-1812-1813-1814-1815-1816-1817-1818-1819-1820-1821-1822-1823-1824-1825-1826-1827-1828-1829-1830-1831-1832-1833-1834-1835-1836-1837-1838-1839-1840-1841-1842-1843-1844-1845-1846-1847-1848-1849-1850-1851-1852-1853-1854-1855-1856-1857-1858-1859-1860-1861-1862-1863-1864-1865-1866-1867-1868-1869-1870-1871-1872-1873-1874-1875-1876-1877-1878-1879-1880-1881-1882-1883-1884-1885-1886-1887-1888-1889-1890-1891-1892-1893-1894-1895-1896-1897-1898-1899-1900-1901-1902-1903-1904-1905-1906-1907-1908-1909-1910-1911-1912-1913-1914-1915-1916-1917-1918-1919-1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000

Observed: 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-49

- June 18, 1948 12-mile Stamp: ^{one} 1 adult and you have already left nest.
- June 21, 1948 12-mile Stamp: ^{one} several pairs seen - nest in old wood structure last week completed now, but no eggs in it. - found nest just west of cattail clump on dead branches of spirea at 1' over water, opening to the nest as on nest containing young that I found last year. This nest had 2 eggs.
- May 19, 1949 Farmington Res. Site, Stanislaus Co. ^{all} many in area (5-600). Nest on debris in crotch of willow on west side of creek, 4 feet above the water. 2 clean whitish eggs in a shallow saucer. Nest made of dry grass stems. Full willow canopy over it.
- 7-29-49 Woodland - Willows = many pairs - 5:30 p.m.
- 8-16-49 Colusa - Grizzly, Calif - clocked at 38 m.p.h. for 1/4 mile at 1:15 p.m. P.S.T.
- Nov. 15, 1949 Millsaps - Newville, Glenn Co. ^{Calif} 4 p.m. about 6/road mile.
- Mar. 20, 1950, Red Bluff-Los Molinos, Calif. 730 a.m. 1-2 pair/road mile
- Apr. 17, 1950, N of Red Bluff, Tehama Co. Calif. 545 p.m. Had not seen any in mountainous areas north of here, even at Reading, but from Cottonwood on south to Sacramento, there were quite a few of them.
- May 19, 1950 Farmington Res. area, Stanislaus Co. Calif. 930 a.m. 8 along hiway plus 45-50 in one open grove of trees. Adults and nearly-grown young were abundant.
- June 30, 1950, Eugene-Milton, Calaveras Co. ^{Calif} 10 a.m. pair passed us going downhill at 42 m.p.h. 35 seen between the two points.
- Nov. 10, 1950 Feather R., N of Mirra, ^{Calif} in cropland, 10-15 in sunny south exposure among creviced rock piles in mined area near river.
- Jan. 5, 1951 Stockton-Farmington: 1 per 2 road miles.
- March 10, 1951 Gila Bend-Tucson road, Arizona - 5-6 p.m. very abundant along this hiway, especially in the cultivated areas.
- May 5, 1951 Vicinity of Bass L. Eldorado Co. Calif. found one nest on horizontal southside limb of Buckeye at about 10' elev. Pin-feather young in it, dead.
- July 3, 1951 Abandoned orchard, N of Sacto. Signal Depot ^{Calif} flushed adult from nest at 7' in pear tree at 6'. One egg and 1 2-3-day-old young.
- July 22, 1951 E base, Pacheco Pass, ^{Calif} U.S. 4. 152. 4:30 p.m. Mourning Dove kept up with us at least 1/4 mile at 62 m.p.h. - w/tail wind
- Sept. 7, 1951 NE of Anderson, Shasta Co. Calif. In rocky-soiled, blue-oak woodland there were few doves seen along the fences.
- Jan. 28-29, 1952 Many seen on fence near grain stubble + weed patches, N + S of Sacto. ^{Calif}
- May 1, 1952 Gray Lodge Refuge, Butte Co. Calif. Cowan has placed wire baskets in trees on the refuge, and the doves are utilizing them for nest sites. Screening is about 1/4-inch mesh, and about 10 inches across.
- Jan. 13-14, 1953 S. Barbara Co, ^{Calif} 190. many doves over entire area
- Jan. 29, 1953 - 4-5 mi. N of Tudor, Butte Co. Calif. watched male redwing take perch at 35' in willow away from Mourning Dove.
- June 5, 1955 Sacto. Bypass, Yolo Co. Calif. nest at 1' in willow. 40 adults seen.
- Nov. 27, 1955, Lambert road just N of Courtland, ^{Calif} 10-15 in blackberry thicket.
- Sept 27, 1956, 25-30 ad + yung in weed fields S. Land Park Hills #3 on Arroyo St, Sacto ^{Calif} 6:15 p.m. P.D.S.T.
- June 17, 1957 In coniferous forest belt along U.S. 50 east of Pollock Pines, Eldorado Co. ^{Calif} 10 a.m.
- May 21, 1957, near Colusa, ^{Calif} 20-30 doves seen in the area
- May 30, 1959 4:15 a.m. P.S.T. S of Folsom Sacto Co, ^{Calif} active before any light really good. Buck + forth across roads
- July 3, 1960 National Forest - Colusa Co + Butte, ^{Calif} 10-15 doves in the area
- Aug. 23, 1960 - 1700-1800. 10-15 doves seen in the area
- 1 adult on ground in field near Colusa, ^{Calif} 10-15 doves seen in the area
- 2 doves in field near Colusa, ^{Calif} 10-15 doves seen in the area
- August 1960, Many doves in Willamette Valley, ^{Calif} 10-15 doves seen in the area
- Aug. 28, 1961 - 10-15 doves seen in the area
- Aug. 13, 1960 - Yolo-Solano Co. Calif. M.Dove census route-65 miles. 72 doves (90/100 miles)
- July, 1961 - 10-15 doves seen in the area

Observer Fred G. Evenden, Jr.

White-winged Dove
2623-27-

Zenaidura
Melopelia asiatica mearnsi

Number of field trips on which observed:
234-1841-2602-2603-2608-2609-10-2614-15-17-18-2620-21-22-

| Date | Location and observations: |
|------------------|--|
| Feb. 18, 1951 | Parker Dam, Calif. One perched in Athel three near B. R. residences below dam. While perched the white wing edge and white areas under tail showed OK. Its cooing notes are very distinctive and clearer than mourning dove. |
| June 20-21, 1964 | Santa Ana NWR, Hidalgo Co. Texas. 100's present. |
| June 23, 1964 | Bentsen-R. Grande St. Park, Hidalgo Co. Texas. 1000's of birds, 2 eggs/nest, and almost atop each others. Anis present. |

Inca Dove
S cardafella inca inca

Ground Dove - 2618

Feb. 17, 1951. Colorado River Indian Agency, Parker, Arizona: 530 p.m. 8 seen in
figs and pecans on the residence group of buildings. Chestnut
wings in flight. Have distinct 2-syllable note.

Observer Fred Evenden, Jr.

California Cuckoo

1657-7770-

number of field trips on which observed:

Yellow-billed Cuckoo
Coccyzus americanus occidentalis

| Date | Location and observations |
|---------------|--|
| July 17, 1950 | Mendota Pool, San Joaquin R-Fresno Slough, Fresno Co. ^{Calif.} noon hour.
Heard a strange call from a willow thicket along Fresno Slough, and stopped to look back, for we had just passed it, and then I spotted a bird flying past us toward that thicket, and I did not recognize it at all. Finally several other views of it - gray body, chestnut wings, whitish under body, black on head, undertail black and white spotted, etc. identified it for us. The birds gave low, guttural scold notes. Before leaving the area we had seen 3 pairs, some fairly close to us as we ate lunch. In willow-cattail slough border strip. |
| May 30, 1964. | Pocomoke R. S of Delling Worchester Co. Md. nest of 12' with 4 pale blue eggs. |
| June 20, 1964 | Santa Ana Refuge, R.Grando R. Texas. 12's in 1s and 2s. 6 eggs in 1 nest of 6'. |
| 8/21/77 | To Johnsonville, Tenn, / sunning on fence just on edge of pool, w/ wings drooping - 40-50 ft from shore |
| 6/8/76 | S. Carolina -
didn't collect + 2/3 to 4 young, many were |
| 4/13/79 | Seneca, Pot R. Rd. near rd to the college adult
Many, many, with 3 different calls. |

Geococcyx californianus

March 20, 1947 Colo. R. Indian Reserv., south of Parker Ariz: 2 crossing the road, slowly, pausing at edge. 1st one seen was on a fence post and did not fly for a moment. Glided to the ground, ran, and flew to telephone pole crossarm at 20 feet height. Opened its bill and gave its "rattle" notes (by grating its bill). Crest flexed now and then. White and red patched on head behind eye plainly seen. Whole body streaked brown. Tail dark brown or black. It was very obliging, and did not fly when we squeaked, whistled, waved, or pounded on the car, nor until Gale got within 8 or 10 feet of the pole !!!

Reprinted from THE WILSON BULLETIN, Vol. 58, No. 3, Sept., 1946, p. 185

Road-runner preys on Poor-will.—On March 9, 1943, around 1:30 p.m. as I was driving along the trail about a mile northwest of Tule Tank, on the Cabeza Prieta Game Range, Yuma County, Arizona, I noticed some feathers of a Poor-will (*Phalaenoptilus nuttalli*) lying in the road. A short distance down the trail, I saw a Road-runner (*Geococcyx californianus*) running along, carrying something in its beak. When I gave chase, it dropped its burden, which proved to be the still warm carcass of a Poor-will, intact save that most of the viscera had been removed (and probably eaten), and a number of the larger wing feathers had been torn out. I find no previous reference in the literature to Road-runners preying on birds of this family.—GALE MONSON, *Fish and Wildlife Service, Parker, Arizona.*

Nov. 5, 1948 - Dredge area, $\frac{1}{2}$ mi. S of Fair Oaks Jct. with U.S. 50, Sacto. Co. Calif.
2 p.m. Saw one run across the road into some brush.

Jan. 3, 1950, W of Stony Gorge Res., Glenn Co. Calif. 1145 a.m. One on the hiway just west of the reservoir, and as we approached it flew off the road and across the fence and then leisurely moved away from us, across sparse grassland in rolling hill country of scattered blue oaks and buckbrush - there were no color patches on its face.

May 16, 1950 Stony Gorge Dam, Glenn Co. Calif. 5 p.m. PLST. two of them at the south butt of the dam, getting drink from the reservoir, which is about full. They ran uphill about 150-200 feet when I surprised them.

~~Feb.~~ Mar. 11, 1952. Kettleman Hills, Calif. - 1 seen S of Kettleman City near ridge crest. 3 p.m.

May 4, 1960, Santa Ana River area near Mission San Juan, Imperial Co. Calif.
Saw 2.

Observer Fred Ivenden, Jr.

Barn Owl

2580-

Tyto alba prairiecola

Number of birds banded: 2-3-57-149-184-1042-1102-1471-1476-1480-1511-1658-1790-1912-2061-2087-2090-2478

| | Location and other details |
|-----------------|---|
| July 8, 1942 | Corvallis, Ore. |
| Apr. 24, 1946 | 12-mile Swamp, south of Corvallis. I found a light, but richly colored individual in some scrub ash in a thicket out in the swamp area. It flew and Redwings chased it all the way across the swamp. |
| 10-7-48 | Sacramento, Calif. - 7 ³⁰ p.m. - one flying at 30' w on I. St. just past P.O. |
| 10-16-48 | Sacramento - 8 p.m. 2 flying about roof of State Office Bldg #1. |
| 10-29-48 | " - 9 ¹⁵ p.m. - one flying at 30' ± w on I St., past P.O. again. |
| 11-25-48 | Near Verona, Butte Co, Calif - 7 p.m. One flying along highway. |
| 1-22-49 | Sacramento, 10 p.m. - One flying around vicinity of 16 + 14 at ht. of 150'-175'. Each time the beam of an arc light spotlight spanned the sky over them, one would give out with a "light-squawk" cry. |
| Mar. 15, 1949 | Leadbetter Penin. Mouth of Willamette River, Portland, Ore. one flew out of an old barn down river from the rookery towards the mouth. We were not able to find the bird again, and it was not present when we returned to the barn about 1 hour later. Could not find any signs of a nest in the barn and only occasional droppings, which I don't think were of an owl. |
| April 23, 1949 | 1030 p.m. - Sacto - 2228-3 Ave - One calling from oak in backyard. |
| July 30, 1949 | 10 p.m. Klamath Falls, Oregon. |
| October 8, 1949 | N of Williams, Calif, 930 p.m. on fence post in rice area. |
| Nov. 22, 1949 | Biggs - Little City Road E of Butte Co. |
| Jan. 4, 1950 | Garden Highway, near Elkhorn Ferry, Sacto Co, Calif - 5 ¹⁵ p.m. |
| Mar. 14, 1950 | N edge of Stockton, Calif., US 99. |
| Dec. 28, 1950 | S. of Maxwell Colusa Co Calif - Filled along highway. |
| Jan. 15, 1963 | Pasadena, & Luis Obispo Co - calling + San Anso, Monterey Co. |

Observer Fred Livenden, Jr.

backgrounds of the

Number of field trips on which observed:

Lucasasio macfarlandi

Observer Fred Ivenden, Jr.

Brewster's Screech Owl
1936-2379-

Number of field trips on which observed:
206-276-356-359-360-361-593-666-787-818-860-865-929-931-932-1188

Otus asio brewsteri

| Date | Location and observations |
|-----------------|---|
| Jan. 27, 1946 | Woodburn, ^{OR} The past few nights I have heard the melodious and hollow "bouncing-ball" call notes of this bird, in the trees by Gill's and Klamps yard. |
| Feb. 15, 1946 | Woodburn, ^{OR} 1930 PST., I rode the bike around Gill's block to triangulate the location of the owl, giving its call periodically. I deduced it must be in an apple tree behind Gill's house so took the flashlight and went to see. I made lots of noise, breaking twigs, etc., but it still called. I saw its form against the sky in the upper limbs of the tree. The full moon was out, making things very bright and easily seen. I put the light on it, but it wasn't bothered. It went on calling. It's eyes shown a deep reddish-pink in the light. It turned its head occasionally and while it looked the other way I "squeaked like a mouse" and it was comical to see it jerk around all of a sudden. It almost lost its balance on the limb. The bird was quite light gray and tan below. I could not see the back. The head seemed light also. I went elsewhere on my bike for 15 minutes and when I had returned it had flown to a pine tree a block away. I heard it so rode over and spotted it again with the flashlight. It continued to give its call. All evidence points to it being a male, for books say females are a reddish-brown, much darker. The males being grayish colored. |
| Feb. 18, 1946 | Woodburn, ^{OR} Tonight our Screech owl really went to town outside. It hardly paused in its tremolos. This persisted for several hours. |
| Feb. 25, 1946 | Woodburn, ^{OR} The Brewster's Screech Owl is still "tootling" rapidly and often every night. |
| Feb. 24, 1948 | Corvallis, ^{OR} OSC Campus - 930 p.m. One giving about 1/2 of the full call, at 10-15 second intervals from tall old fir near Banastana, about 15' up. |
| Feb. 26, 1948 | OSC Campus ^{OR} calling every 20-40 seconds from same fir tree as Feb. 24, and in about the same place on the tree at 20-25'. |
| July 11, 1948 | Woodburn, ^{OR} 11 p.m., P.S.T. - One calling almost continuously from apple tree across way |
| August 1, 1948 | Woodburn, ^{OR} 11 p.m., P.S.T. - One calling almost continuously from apple tree across way |
| August 11, 1948 | Woodburn, ^{OR} 9 p.m. One giving regular + low tremolo call from neighbor's walnut trees - 1/2 moon |
| Aug. 18, 1948 | Woodburn, home. one heard within the past 3 nites about 930 p.m. |
| Feb. 20, 1949 | 1:30 a.m. Woodburn, ^{OR} Home. One calling from across the street. Heavy rain. |
| May 12-13, 1949 | Woodburn Oregon. Mom tells me two have been calling every nite, lately. |
| July 3, 1949 | Woodburn, Oregon. Home. Mother reports hearing the owl off and on the past couple of weeks. I didn't hear it tonight till about 1030 PST just following a large fireworks explosion. Its call was weak. |
| May 7, 1921 | Corvallis, Oregon - nest in N.W. Flicker hole 12' up in dead alder stub in heavy timber. 4 eggs on edge of cavity - 3 eggs |
| May 10, 1921 | Corvallis, Oregon. 3 eggs 12' up in flicker hole in the dead alder - 3 eggs |
| May 20, 1921 | Corvallis, Oregon - 3' up in flicker hole in dead alder stub - 3 eggs |
| May 20, 1921 | Corvallis, Oregon 3' up in old flicker hole, in dead alder stub - 3 eggs |
| May 7, 1922 | Corvallis, Oregon - 3 eggs 12' up in alder stub - 3 eggs |
| April 10, 1941 | Milwaukee, Ore. - 3 eggs in hole in dead top of a maple, 20' up. - natural cavity - cutters |
| May 5, 1941 | Milwaukee, Ore. - 2 eggs in hole 7' up in large dead fir stump. Hole dug years ago by woodpecker - |
| April 17, 1943 | Milwaukee, Ore - 3 eggs on rotten wood - no nest at 15' in dead stump. 8 |

Observer Fred Venner, Jr.

California Screech Owl

Otus asio bendirei

Number of field trips on which observed:
341-1592-1674-1790-2254-2326-

| Date | Location | No. Obs. Seen |
|------|----------|---------------|
|------|----------|---------------|

Observer Fred Evenden, Jr.

Flammulated Screech Owl

Number of field trips on which observed:
426-?

Otus flammeolus

| Date | Location and observations |
|------|---------------------------|
|------|---------------------------|

Observer Fred Iverson, Jr.

Pacific

Montana Horned Owl

2325-2326-2457-2458-

Bubo virginianus pacificus

Montana - 1230-1232-

Number of birds seen or observed:

968-1038-1039-1063-1199-1201-1273-1542-1583-1592-1975a-1987-2262-

| Date | Location and observations |
|-------------------|---|
| May 21, 1949 | Coast S. of Monterey: ^{Coast} found many pellets in main, dense Monterey pine thicket near Western Flycatcher nest. |
| Sept 2, 1949 | N. of Chiloquin, Klamath Co., Oregon - 1 Pacific H. Owl hit along highway 97. |
| Dec. 6, 1949 | Lucia, Monterey Co., on C.S.H. 1. 5:30 p.m. - 1 along road. |
| Jan. 4, 1950 | Garden Highway, near Elkhorn Ferry - Sacto Co., Calif. - 5 p.m. |
| May 13, 1950 | Yosemite Valley, 6 p.m. one perched in yellow pine, with many Stellar Jays around scolding it - it was carrying a snake. Flew, with jays after it. |
| April 19, 1951 | Carroll, Calif. 1 seen at 6:45 p.m. near the Mission. |
| Jan. 14, 1953 | Just E of Morro Bay, S. Luis Obispo Co., Calif. 5:30 p.m. One on pole near road. Still daylight. |
| May 31, 1953 | N.E. of Mt. Tahoe, El Dorado Co., Calif. Nest cavity at 45-50' on west side, huge Jeffrey pine snag. 2 downy young, about 10" high. Also saw 1 adult. Pellets contained rodents and coot, sparrow hawk, and flicker feathers. |
| Aug. 22, 1954 | Sacramento By-pass, Yuba Co., Calif. 7 a.m. 1 adult in cottonwood at 50', and 8' out from trunk. |
| December 20, 1957 | 7 mi NE of Weed, Siskiyou Co., Calif. - One fresh killed along 4597 Eastgate |

Observer Fred Evenden, Jr.

Northwestern Horned Owl

Bubo virginianus l. rothonus

Number of field trips on which observed:

269-

| Date | Location and observations |
|------|---------------------------|
|------|---------------------------|

17-18

19-20

21-22

23-24

25-26

Lusky Horned Owl

Bubo virginianus saturatus

number of field trials on fish on a live:

31-44-45-64-74-116-137-141-152-156-168-183-203-205-341 up - 380-385-425-426-508-512-589-593-613-775-847-851-861-876-931-1055a-1186-1435-

[illegible]

gray-tan, rather than the darker gray brown of the male. The gave the barking calls previously mentioned. Much feces was on the snag about the top of the nest, and a few recently-acquired pheasant feathers were caught on the sides of the snag, and on the ground around the snag. It was a new bird. About 5 1/2 feet away to the east was a 12-15" air in which an adult bird had roosted, for numerous pellets were on the ground around the nest. The more recent ones had such things as the lower part of a pheasant in them. Others the crushed and broken femur, and in another was a part of a pelvis. The adults did not return directly to the nest, but as it began to rain as we left. Just about 1 mile from next one described same day.

April 5, 1948 1 mile N. of Acacia village. ^{Recovered in mid-June, 1949 at Tangent, Oregon on the Turkey farm of M. D. Jenkins} Two in one tree is too much! But one to a hill to the south of Coiffinutte we spotted an old Redtail Hawk nest 400 feet up in a Big-leaf Maple (buds just breaking), on an open oak tree, not over 1/2 mile from the highway. The tree stood by itself. Charley clapped his hands and a bird stretched its wings and tail - another horned owl - it flew off, presently flying into the oak on top of the hill to the west. I climbed to the nest and found, unfortunately, two eggs about 10-12 days incubation time. The bird, I wanted to take them. We left then, and went on over the hill, having not attracted both of the owls, only one calling occasionally while I was up the tree. About 15-20 minutes later we returned, and the owl was again on the nest, though we had taken the eggs.

May 4, 1948 12-mile camp. ^{or} in the area south of the Luckey Cr. bridge. Individual being chased and attacked by a crow. There has been a pair of them around this area the past month or so.

Apr. 30, 1949 3 mi. W of Bruce Sta., ^{or} Benton Co (FBM). hooting at 5:20 a.m. from oak hill-side.

August 21, 1949 5 mi. S of Ashland, Jackson Co, Oregon on U.S. 99 - hit at edge of road.

8/15/61 - Ft. Klamath area, Klamath Co, Oregon - 1 on pine tree at edge of road

Western Horned Owl

Great-1855-

Bubo virginianus pallescens

March 19, 1947 Havasu Lake, Ariz: 2 flushed from a bluff below Blankenship bend.
May have nesting site on this bluff wall over the lake edge. We
flushed them by approaching in our cabin cruiser, about 6 p.m.

Feb. 27, 1953 N of Encino, Torrance Co. New Mexico - at dusk.

mp? 2/4/79. Double nesting, Rockwell Rd. 1/1 egg + incubated egg (corner of dish).

Observer Fred S. Vanden, Jr.

PYGMY

Pacific Northwest

GLAUCIDIUM

GNOMA

Number of field trips or times observed:

269 - 370 - 377 - 631 - 774 - 789 - 815 - 1285 -

| Date | Location and observations |
|----------------|--|
| March 20, 1946 | Rock Creek, near Philomath, Ore. 4-530 p.m. This one was perched on a dead snag about 60 feet above the ground, near the creek. The sky was fairly clear and the sun was bright. |
| May 21, 1947 | S. Spur, MacDonald Forest: as we started out at 6 p.m., Allen spotted this one perched on a phone line pole by the road. This was on an east slope, and had been in the shade for a long while. It didn't fly, and I got within 20 feet of it, and finally after waving my arms it flew in a long downward dip, and an up-swoop into the top of a Big-leaf Maple 60 feet away. |
| Dec. 6, 1947 | As a result of the fact that the bird was not seen in the same place as the previous one, it was not seen again. It was seen in the same place as the previous one, but it was not seen again. It was seen in the same place as the previous one, but it was not seen again. It was seen in the same place as the previous one, but it was not seen again. |
| Jan. 4, 1948 | It was seen in the same place as the previous one, but it was not seen again. It was seen in the same place as the previous one, but it was not seen again. It was seen in the same place as the previous one, but it was not seen again. It was seen in the same place as the previous one, but it was not seen again. |
| Feb. 23, 1948 | Sunset Hill, Corvallis, 10 p.m. heard one calling from old orchard area - several "hoos", ending with 3 sharper, and more distinct notes. Loud, for its size - it made a neighbor dog bark. |
| Dec. 22, 1953 | Wolf Creek road at Humboldt Creek, West. One perched in cedar over hill. Pics. |

Elf Owl -

Micrathene whitneyi

June 20, 1964 Bentsen-El Grande St. Park, Hidalgo Co. Texas. 7:30-2 a.m.
2 young in huisache tree - "soft chuckle" calls. One dark, 1 lighter.

Observer Fred Evenden, Jr.

Number of field trips on which observed:

Western Burrowing Owl
1251-1292-1429-1483-1508-1511-1552-1561a-1585-1598-1603-1621-1625-1626-1655-1731-1860-1970-1975-2047-2121-2172-2276-2360-2428-
2433-2447-2495-7-2633-67-
Speotyto cunicularia humboldtii

| Date | Location and observations |
|------------------|---|
| Feb. 22, 1941 | Near Peoria: ^{Or} This bird was seen in a group of birds in a field. |
| March 6, 1943 | About 10 miles N. of Corvallis, ^{Or}
This bird is divided into two groups. One group is seen in the open fields, and the other group is seen in the brush. The birds are very tame and are often seen in the brush. They are often seen in the brush. They are often seen in the brush. They are often seen in the brush. |
| Aug. 31, 1948 | Corning-Orlando - one perched on 15' crossarm of telephone pole. Pale color |
| Sept. 26, 1948: | River Park, Sacramento: 130 p.m. flushed one at edge of stubble field and sand lot. The bird was in a small area containing several burrows, presumably of ground squirrels. Tame. |
| April 6, 1949 | 5 mi. S. of Corning, Tehama Co. ^{Calif.} 2:30 p.m. - a pair on open knoll in open country, about 75 feet west of fence along highway. |
| Apr. 8, 1949 | 5 mi. S. of Corning, Tehama Co. ^{Calif.} 1:30 p.m. - Pair seen on mound at same place as above. |
| April 23, 1949 | Gray Lodge Refuge, Butte Co. ^{Calif.} pair at nest hole near gate to refuge - 130 p.m. |
| May 5, 1949 | Gray Lodge Refuge: ^{Calif.} pair still occupying burrows along fence near gate to refuge |
| June 12, 1949 | Near Orlando, Calif - 2 adults on fence posts + 3 yng at mouth of burrows. About 1/2 adult size. |
| July 11, 1949, | N of Luncheon in Colusa Co. Calif. Nest burrows in canal dike. - remains of water signs and tri-colored markings about openings. |
| July 31, 1949 | 5 mi S. of Corning, Tehama Co. ^{Calif.} 6:15 p.m. 2 adults at same spot as Apr. 6 + 8. 5 yng perched on fence posts + wires 100 yds. from adults burrows. They were flying occasionally. |
| Aug 3, 1949 | 745 pm. 1 on telephone pole between Valley Home + Collegenville, San Joaquin Co. ^{Calif.} |
| Aug. 13, 1949 | 6-mile unimproved road, N. of N. of Corvinton, Colusa Co. ^{Calif.} 7 p.m. just west of Lixon-Vista Road. 8 on earthen dike, 2 on top of dike on top of dike on top of dike. They were seen in the brush. They were seen in the brush. They were seen in the brush. They were seen in the brush. |
| Sept. 24, 1949 | 6-mile unimproved road, N. of N. of Corvinton, Colusa Co. ^{Calif.} 7 p.m. just west of Lixon-Vista Road. 8 on earthen dike, 2 on top of dike on top of dike on top of dike. They were seen in the brush. They were seen in the brush. They were seen in the brush. They were seen in the brush. |
| October 11, 1949 | Fruitridge Ave, N. of Airport, Sacto, Calif. One on low vegetation bank at 7:30 a.m. |
| Nov. 20, 1949 | 3 mi N. of Rio Vista, Colusa Co. ^{Calif.} One at edge of brush near vegetation bank. |
| Nov. 22, 1949 | Biggs - Butte City Road, E of Butte Creek, Butte Co. ^{Calif.} |
| Dec. 6, 1949 | 17 mi. N of San Joaquin, Butte Co. ^{Calif.} 6 p.m. - 1 along road. |
| Mar. 20, 1950 | 3 miles due west of Sacramento Wildlife Refuge, Glenn Co. ^{Calif.} 2 in ditch levee at noon |
| Jan. 29, 1952 | SE of Rio Oro, Butte Co. ^{Calif.} |
| Mar. 14, 1953 | Pair at nest hole on Florin Rd. west of Excalibur Rd. Sacto Co. ^{Calif.} |
| June 4, 1959 | Silver Springs, But, 1950 + at Dayton, Son Co. ^{Calif.} 3 or 4 seen. |
| June 2, 1960 | W of Elverta, Butte Co, Calif. |

July 7, 1960-- Country Club Centre - 8 am. Sack & Co. Calif.
Sack & Co. Calif. - 8 am. Sack & Co. Calif.

Northern Spotted Owl
Strix occidentalis caurina

Mon. Co., E of H. T. 1000 ft.
+ 500 ft. alt.

Jan. 27, 1947, near Rockie 4-corners, 5 p.m. attracted to a clump of fir by a "hoot-hoot-hoot (joined)". I found it perched high in one of the firs. It was barred and spotted below, and the undertail was light and barred some.

Strix varia

Barred Owl

Feb. 16, 1953, on road into Singer Tract, SW of Tallulah, Madison Parish, Louisiana.
 perched on hardwood at 10' by road. Observed at 40' distance. Was flushed,
 but back at perch 3 hours later.

5/13/79 Seawater/CTO Canal - Md. Adult & chick in open on 40' ~~the~~ mangrove canal, and
 did "broken wing" act, and called as with ~~these~~ ^{these} downy young.
 8/9/79 N. Fla. nearly full-grown young w/ short-tail.

Observer Fred Evenden, Jr.

Great Gray Owl

82- number of field trips on which observed:

Str.
scotiaptex nebulosa ne ulosa

| Date | Location and observations |
|-------------|---|
| Fall - 1936 | Hunting trip with Henry Pavelek NE of West Woodburn Ore |

Observer Fred Evenden, Jr.

Long-eared owl

Number of field trips of birds observed:

512-522-584-891-895-1259-1850-2131-2326-2558-

Asio wilsonianus

| Date | Location and observations |
|---|---|
| <i>At Payzants at Woodburn, Oregon during winter 1941-42.</i> | |
| Feb. 25, 1947 | Oak-fir belt, 3 miles west of 12-mile Swamp? ^{Or} ??? sp???? flushed one from a fir woods on the south slope of the ridge. This identification is made only on elimination, for we didn't see enough to be sure. We are judging it only by size, as the only possible owl that it could have been. |
| Mar. 11, 1947 | Oak-fir belt, ^{Or} 3 miles west of 12-mile Swamp: we decided to track down the owl flushed 2 weeks ago. We located an old oak snag about 3 feet in dia. and found an open "niche" or recess about 15' up that had fresh pieces of grass stems, fern, etc., worked into a semblance of a nest. No bird, or eggs were found. They should lay later, if this is the nest. |
| Apr. 8, 1947 | Oak fir belt, ^{Or} again: flushed from a tall fir, within 30 or 40 feet of the snag we " had picked" for the nesting site for this bird. Again we caught only a glimpse of it, but again its smaller size put it in this species. The nesting sites checked again showed no use, so perhaps the birds haven't started to nest yet., if there are two of them. |
| June 23, 1948 | 12-mile Swamp. ^{Or} 115. Then, and at irregular intervals, thereafter, a whistle "wheeee-TH-TH" came from the dead oak across the ridge on the east side. I could whistle a good imitation of it, and it would answer immediately. I finally got it silhouette against the sky and saw it was that species. At intervals it would utter a low, hoarse, perched in the oak and also it flushed a number of times. It was no longer on the ground. |
| July 8, 1948 | 12-mile Swamp. ^{Or} flushed from ash-oak area in the center on the east side of swamp at noon. |
| <i>October 8, 1949 6 mi. North of Corning, California - 8:30 p.m.</i> | |
| Dec. 26, 1953 | O'Neill's, Courland, Calif. 1 adult appeared in cypress tree where one roosted last year. |
| Jan. 11, 1954 | O'Neill's, Courland, Calif. 1 adult with 2 smaller birds (last year's young?) in cypress tree. |
| Jan. 13, 1954 | O'Neill's, Courland, Calif. Now are 4 long-eareds in cypress tree. |
| July 2, 1959 | Cedar Breaks Nat. Mon. Iron Co. Utah. One after chipmunk in spruce forest at dusk, by our camp lantern light. |

Short-eared Owl

Number of field observations:

137-205-210-272-293-298-301-308-309-310-317-331-335-352-425-

592-785-803-823-835-869-885-960-1396-1398-1438-1442-1472-1478-1615-2276-2392-2525-2581-

Asio flammeus

| Date | Location and Notes | | | | | | | | | | |
|---------------------|--|--------|--------|--------|--------|--------|---------------------|--------|--------|--------|--------|
| April 10, 1944 | Corvallis ^{Or} - 1 seen on small field. It was perched on a fence and flew north. It was seen again on the same field with a cat, but it did not fly. It was seen again on the same field. | | | | | | | | | | |
| Feb. 28, 1948 | Lewisburg ^{Or} - 1 seen one individual sitting on a fence, but not on the highway. | | | | | | | | | | |
| March 6, 1948 | Merced ^{Calif} - 1 seen on a road from highway to camp. It was perched on a fence. | | | | | | | | | | |
| May 14 1944 | Mtn. Home, Idaho, Area II, south of town. Located a nest in an alfalfa field, after flushing an adult bird. It is on the "hump" between small irrigation channels. The "hump" is 15" wide. It is a saucer hollowed out in dirt, about 1" deep and 6" in diameter. Bottom is covered with dry short pieces of grass, stems, etc. | | | | | | | | | | |
| May 16, 1944 | Mtn. Home, Area II, We investigated the short-eared owl nest that we found on the 14th. Flushed one bird off the nest. The nest contained <u>one</u> dirty-white egg, bluntly oval, ends are blunt, but partially pointed. Egg is $1\frac{1}{4}$ to $1\frac{1}{2}$ " by 1" in size. | | | | | | | | | | |
| May 17, 1944 | Mtn. Home, Area II, The nest found on the 14th had one egg in it on the 16th and two eggs in it today. The adult didn't leave the nest till I was almost on top of it! | | | | | | | | | | |
| May 18 1944 | Mtn. Home, Idaho - nest still had only two eggs. Owl stayed on till I was within two feet of the nest. | | | | | | | | | | |
| May 19, 1944 | Mtn. Home, Idaho, Area II (obs by Joan). Owl's nest now has three eggs. Owl stayed close by. | | | | | | | | | | |
| | <table><tr><th>May 14</th><th>May 16</th><th>May 17</th><th>May 18</th><th>May 19</th></tr><tr><td>Nest complete/1 egg</td><td>2 eggs</td><td>2 eggs</td><td>3 eggs</td><td>3 eggs</td></tr></table> <p>It looks as if the owl follows the habits of the Marsh Hawk and lays an egg every other day until the clutch is completed, with the first egg being laid on <u>May 15</u>, in this case.</p> | May 14 | May 16 | May 17 | May 18 | May 19 | Nest complete/1 egg | 2 eggs | 2 eggs | 3 eggs | 3 eggs |
| May 14 | May 16 | May 17 | May 18 | May 19 | | | | | | | |
| Nest complete/1 egg | 2 eggs | 2 eggs | 3 eggs | 3 eggs | | | | | | | |
| May 28, 1944 | Mtn. Home, Area II, Tried and tried to locate the owl's nest, but since I left the field had been irrigated and the alfalfa and weeds were over 3 feet high. I did locate the nest site, finally, but there were no eggs, either they were lost in the flood of irrigation water, or else the owl moved the eggs to a new site, which I haven't yet located. | | | | | | | | | | |
| April 12, 1947 | Mt. Angel ^{Or} - 1 seen one flying across a field, landing, and then taking off to chase a Brewer Blackbird | | | | | | | | | | |
| Feb. 8, 1948 | Fern Ridge Reservoir ^{Or} - 1 seen one observed on open mud flats at south end, not far from a raft of geese, and a huge flock of sandpipers. | | | | | | | | | | |
| Mar. 14, 1948 | Peoria, Linn Co. ^{Or} - 1 seen one flying over stubble field. Seemed to flap either 2 or 4 times, and then glide a very short distance. | | | | | | | | | | |
| April 8, 1949 | Meadowview, Lane Co, Oregon. - 1 seen. | | | | | | | | | | |
| Dec. 13, 1949 | Fernley Sink, Lyon Co. Nevada - a total of 5 seen perched on low bushes about 3 p.m., or flying over marshy areas along the hiway. A winter or migration influx? Some appeared rather small. Since there are few records for this owl in Nevada, special note should be made of these obs (also Toulon) | | | | | | | | | | |
| Dec. 13, 1949 | Lower Lovelock Valley, Pershing Co. Nevada - 445 p.m. a total of 5 seen flying over pasture and alfalfa fields in the area. One made passes at something on the ground, and when it missed a male marsh hawk, following behind made a pass, too. | | | | | | | | | | |
| Jan. 28, 1952 | S of Franklin, Siskiyou Co, Calif. - Flushed 3 from 1 weedy field in a.m. | | | | | | | | | | |

June 27, 1958

3 of N. Tanager Cross Larks on El Centro Rd, Santa Co. Calif.
8 of 9 in the other beside highway, even the many
pleasant birds in fall at 3 pm.

Cryptoglaux acadica acadica

Oct 13 1944

Mtn. Home Reservoir, Idaho. In one of the quince trees in the deserted ranch yard of the canyon. The quince still had their foliage, while the other trees were losing theirs. On Sept 19 the owl was in the Honey Locust, as those leaves were still quite dense. At any rate, the little fellow didn't so much as both to move, when we found him. He just looked at us, with those big eyes with the bright yellow iris. We stood within two feet of him, and Joan could have caught it very easily, if she had so desired. He showed no fear of us. (He?) was perched on a horizontal limb of the quince, clutching the hind half of a rodent that he had been feeding on. It was completely eaten to within one inch of the hind legs. The tail was about 2½ inches long, light below and dark above. Body fur was grayish, with a reddish tinge on the back (Microtus??) But back to the owl. We spent fully a half hour watching him, and he had no fear, just curiosity. Occasionally he would slide that nictitating membrane across his eye, or blink them shut, revealing the heavily grayish furred eyelids. It was 7-8" long and the tail seemed quite short, altho the large head seemed slightly out of proportion. The wings, head, and body were a soft chocolate brown, flecked with white and gray. A few larger light patches on the wings. The underparts were grayish-white, with broad, reddish-brown stripes on the chest and belly. The feet were fuzzed right down to the black toenails. (fuzzed white and yellowish-brown). The bill was black. A prominent white "V" is over and between the eyes, sort of like eyebrows, quite a bit of white on the forehead. The face was brownish-gray.

~~Nuttall's~~ Poor-will 2617 -Phalaenoptilus nuttalli ~~NUTTALLI~~ ssp.

June 7 1944

Snake R. Canyon near AAB, Mtn. Home, Idaho. noon.

Several of these sitting on horizontal limbs of trees around a deserted farmhouse near the river. Had white corners to tail instead of cross-barring.

Oct. 15, 1948

Nigger Hill, El Dorado Co, Folsom Dam Site: ^{alt.} found a nearly fresh Dusky Poor-will at the edge of road, evidently hit by an auto during the twilight of morning or the previous evening.

June 21-24, 1949 Elko County, Nevada - com on. Observed some perched on fence posts.

April 17, 1950, Red Bluff-Corning, Tehama Co. Calif. 1 seen at 6 p.m.

October 24, 1954, Just W. of 110 33 miles at Irwin Station, D. C., 11. 1 seen at a telephone pole just south of the library. 12:15 p.m. sunset, 11:30 had gas at home, and was just east of the station.

This time = Since I'm to be ~~going~~ ^{going} for 5 days I'd better write you a card before the week gets far along. The big earthquake (Intensity 7.0) that centered along the north side of the desert. Rocks rolled like marbles off the mountain sides and big boulders of granite and sandstone came rolling down the sides and toppling of canyon walls. It was truly a sight to see of these canyons with the walls close threatening us! I had been out and before. We caught the bird at 57. 7/8 p.m. at which time it was several hours past sunset and the light was ~~dim~~ ^{faint}.

Love, Christmas to you.

How's your dad? Love, ~~John~~ ^{John}

Texas Trilling Nighthawk

Chordeiles acutipennis texensis

March 28, 1950, Balboa Park, San Diego ^{Calif} - 630 p.m. twilight - one flew about the car while we were parked on the ridge top east of the zoo entrance.

Cuban Nighthawk

Ch. vicinus

May 20, 1965, Plantation Key, near S. runts, Keys, Florida. over house - has 2-part call.

Whippoorwill

May 11, 1965, CCC Canal at Brickyard Road. 1 on limb and bothered by scolding titmouse and yellow warbler.

Observer Fred Evenden, Jr.

Pacific Nighthawk

Number of field birds on which observed:

2-5-10-17-21-29-90-158-159-161-166-168-178-238-240-242-320-321-322-
402-403-405-419-431-435-453-646-652-655-658-666-697-705-713-714-885-887-890-891-899-
923-924-925-929-932-1228-1232-1235-1278-1283-1297-1302-1308-1309-1674-1693-1957-2119-2130-226-2365-2368-2464-2470-
Chordeiles minor hesperis 2632-2637-

| Date | Location and observation |
|----------------|--|
| June 6, 1940 | at home, Corvallis. In the evening saw several flying over the air and about it. |
| June 1, 1941 | Corvallis: 0 th Heard the first night hawk. |
| June 20, 1942 | Salem 0 th 2 birds seen at 1:30 p.m. flying & singing. |
| " 21, 1942 | Silvercreek 0 th Second. |
| Sept. 2, 1942 | West Woodburn: 0 th Foggy morning at 7:30. Flushed it from the grass at the base of a clump of willow. It had light plumage, and it surprised me with the silentness with which it flew. |
| Feb 13, 1943 | Corvallis,
Kenneth Walker reported hearing a Nighthawk just south of Corvallis along the Pacific Highway. He heard it several times & was convinced. |
| 7-5-43 | McChord Field, Wash. 7:25 P.M.T.
Pacific Nighthawks calling frequently, but apparently still on the ground (Temp 51.4° F at the ground level.) |
| 7-15-43 | McChord Field, Wash.
Calling at 8:00 P.M.T. |
| June 10 1944 | Mtn. Home, Idaho. During the past few evenings I have heard several of them overhead. I heard one at 1230 a.m. during a heavy rain storm at the base, too. |
| June 15 1944 | Mtn. Home, Area II 9 a.m. There were at least 8 or 9 of them in one small area in Mtn. Home this a.m. Also saw one of these that seemed to be short and quite fat. It, too, had white throat band, and white wing bars. It gave no call notes. |
| June 17, 1944 | Mtn. Home AAB, Idaho. A pair have a nest in the rocks and gravel just off the EW runway, along the south side. |
| June 7, 1946 | 1245 noon, Woodburn, Ore. First Nighthawk of the year. My folks and I were in the back yard when I heard this old familiar call, and I looked up and saw it w "floppy" flight as it headed northward. |
| June 13, 1946 | Breitenbush River Forest camp - Saw and heard one between rain showers. Heavy rain all p.m. |
| June 19, 1946 | Corvallis, and Salem, Ore. They are common now, flying in broad daylight |
| August 7, 1946 | Camp Pioneer to Mario Lake trail, Blinn Co. Saw one come in low over the ridge about 11 a.m. |
| Sept 19, 1946 | Corvallis, 80°F. a flight of 9 of them slowly feeding as they moved southward. no call notes were given. |
| June 7, 1947 | Tom McCallister heard one this a.m., and this evening they were flying around the Ag building on the Campus after dark. |
| June 26, 1947 | MacKenzie F, NE of Springfield - a pair in curtain flight over gravel bar at big bend in river at 7 a.m. |
| Aug. 20, 1947 | Corvallis - called by 7 p.m. |
| Aug. 21, 1947 | " " " 6:45 p.m. |
| Aug. 23, 1947 | " " " 6 p.m. (There were 12-15 together.) |
| June 23, 1948 | 12-mile Swamp: estimate 12-15 present; some a little larger than others. seldom calling, and most feeding over open water areas, occasionally dipping low to scoop up water with their lower bill. Graceful and beautiful fliers. |
| July 28, 1948 | Mud Lake, 1/2 mile S of Elk Lake: 1 feeding on dragonflies over the south end of the lake. |
| Aug. 18, 1948 | Woodburn, home: none heard since quite cool weather came Aug. 14, p.m. |

- June 4, 1949 Portland, Oregon, 815 PST - several calling and flying near Emanuel Hos. None had been seen or heard yet in Calif. so their arrival here first seems peculiar.
- June 6, 1949 Corvallis, Oregon - several seen and heard.
- July 30, 1949 - 11 p.m. - Klamath Falls, Oregon - calling over town.
- Sept. 5, 1950 - Corvallis Oregon
- Aug. 4-5, 1951 Silver Lake, Amador Co. Calif. 7,200' elev. 1 was seen coursing over the lake the afternoon of the 4th. By 9 a.m., the 5th, between 18 and 24 of them were feeding over this same arm of the lake where one had been the day before.
- May 14, 1952 - Las Vegas Nevada - several at E end of town along US 466 at 7 p.m. P.D. ST.
- July 24-30, 1952, Patterson G.S. Modoc N.F. Modoc Co. Calif. 7,200' el. every evening, some mornings, early, and in afternoon when thunderstorms brewed.
- Aug 21, 1961 - Toxox Bay, Lincoln Co, Oregon - in evening over bay area.
- Aug 27, 1961 - Eureka, Humboldt Co, Calif. - at 745 pm PST.
- 8/1 - 3/20 La Grasse, Wis diff sept 1961 - they came to fishing, w/ guttural chatter notes. Normal notes in migration & flight. Also in latter w/ diving - migration.

Observer Fred Evenden, Jr.

Vaux's Swift

Chaetura vauxi

Number of field trips on which observed: 445-
76-92-93-94-96-146-155-156-161-167-168-314-388-422-426-434-435-449-452-
453-613-615-627-629-633-639-642-649-657-661-685-690-705-714-717-727-728-731-734-
801-865-873-880-890-893-899-908-923-933-1185-1186-1201-1230-1247-1583-1936-2130-2130a-2131-2147-2310-
2307-2635-2636-

| Date | Location and observations |
|------------------|---|
| Oct. 17, 1941 | Woodburn, ^{Or} Layman's woods: saw 1. This bird in fact was over-
head. One sat high in a tree as a pair of a Sharp-shinned Hawk. |
| May 16, 1946 | Corvallis, ^{Or} Lower Campus, 4 p.m. Saw 3 of them flying low over the lawn. |
| Sept 9 '46, | Salem, Oregon, Willamette U. campus, 650 p.m. 100's and 100's of them
circling in large groups over the campus this evening. The air was
filled with their "squeeks". |
| Sept 18, 1946 | Avery Park, ^{Or} 4-5- p.m. a flock of from 30 to 40 were circling rapidly
through the air at tree-top level, near the edge of the forest. I
watched some actually land, momentarily in the top of a l. air to feed
on insects there, in company with 5 Robins, 7 Cedar Waxwings, and a
Flicker - there were 4 Vaux's Swifts there all at once. |
| Sept 19, 1946, | Poison Oak Lane, ^{Or} Inn Co. 15-20 of them circling and feeding near the
edge of the woods at tree-top level. |
| May 5, 1947 | Corvallis, ^{Or} Mr. Gordon told me about some he'd seen at a residence where
they have congregated in years past, and so I checked their arrival to
agree with those I heard on Saturday at Woodburn. I saw 7 altogether. |
| May 17, 1947 | Marion, Miller's Butte ^{Or} - 5 chasing a Sharp-shinned Hawk which was
carrying one Vaux Swift |
| Aug. 23, 1947 | Corvallis, ^{Or} 15-20 of them circling, and flying high at 6 p.m. |
| Sept. 7, 1947 | Corvallis, ^{Or} Gravel pits - 15 - 20 flying low to mid over the river, and near-
by trees, calling, and feeding in the rain. |
| Sept. 2, 1949 | Coast Fork, Willamette R. Bridge, ^{Or} on Willamette Pass Highway, E of Goshen, 1130 P.S.T. |
| July 24, 1952 | Burney Falls State Park, Shasta Co. Calif. very common in amphitheatre
at the falls. |
| Sept. 6, 1952 | 12-mile Swamp, Bruce Sta., Benton Co. Oregon. 35 over swamp, calling, and
occasionally with songs, too. |
| Aug. 23, 1953 | Blackbird Forest Camp, S. Pr., Amer. R., Eldorado Co. Calif. about 50 circling
over river canyon area at 430 p.m. |
| Oct. 16, 1955 | To Farallon Islands - 1 came over boat 1 mi. S of St. Island group. |
| April 9, 1958 | At Sloughhouse, Sacto. Co. Calif - 3 or 4 with swallows at 9:30 a.m. |
| Aug 18, 1961 | 45299, near L. Brillion, + Mat Creek, Shasta Co., Calif - 12:00 noon |
| June 9-10, 1962 | China Flat Cpgd, Silver Fork, Eldorado Co. 2 heard and seen above tree
tops and slope west of Silver Fork at 6 p.m. (roosting in tall yellow
pine or fir? - feeding in tops on insects about buds??) |
| July 20-22, 1962 | Chapman Crt, Cpgd, Tahoe NF Sierra Co. Calif. 5000'el. about 15 or 20
overhead in area - suspect they roosted in crevices or holes in tall Red
Fir (A. magnifica) at our own camp. In air fields many at 6:30 a.m.
to late mid:day p.m. P.S.T. Busy and noisy most of day overhead, then gone
for short intervals. |

Black Swift

- Aug. 3, 1949. Yosemite Valley, Mariposa Co. Calif. just a short glimpse of 1 of them sweeping across face of south-facing cliff on road to Letch Hotchk.
- Their coloration and size are unmistakable, even tho I had not seen them before.
- Sept. 10, 1961 Lassen Peak Summit, Shasta Co. Calif. 6 of them skimmed swiftly over top of peak at 1:30 p.m. heading southerly, and without deviating from course.

CHIMNEY SWIFT

9-27-64 - 1000' OVER DELCARRIE RES. OFF RACARTHUR FLD. WASH D.C.
 May 21, 1964, Winous T. & N. Club, Clinton Co. Ohio. Colored 3 with V-set wings into wind and hold still for while in one position.

5/28/76 - Pennypack Lake -
 Ch Swifts were circling & dipping below horizon
 at known distance

Observer: Fred Evenden, Jr.

Number of field work birds in the reserve:

White-throated Vireo 85- 322 - 545-558-560- 609-1033-1037-1041-1060-1061-1201-1208-1230-1288-
2555-6-60-58-2604-2627-2628-1448-1517-1544-1545-1584-1859-1922-1923-1924-1957-1958-1959-1974-1975-2122-2315-2544-2546-9-

Aeronatus notatus notatus

| Date | Location and Observations |
|----------------|--|
| May 21, 1949 | Coast S. of Carmel, Monterey Co. ^{Calif.} Observed over sea cliffs - nest cavity in S. side of 450' sea cliff near the Rock Hawk nest to the south of the road. |
| June 23, 1949 | S. Ek. Humboldt River, Elko Co. Nevada - on 10-mile Creek, and in canyon near mouth of S. Ek. One pair observed to be joined, and tumbled about 200 feet towards the earth before putting apart - presumably they were mating. 10-15 seen. |
| May 13, 1950 | Glacier Point, Yosemite Valley, ^{Calif.} 7200' elev. pair chasing each other overhead at the point, and giving call notes - 1st time I've heard them. |
| March 31, 1953 | Pacheco Pass, C.S.H. 152, ^{Calif.} Just W of Summit 1:30 p.m. 2 seen. |
| April 2, 1955 | C.S.H. 152, ^{Calif.} Just W of Summit 1:30 p.m. 2 seen. |
| April 23, 1958 | Monticello Dam Site, ^{Calif.} - 6 p.m. PST. #2 flying above dam in the canyon. |

Black-chinned Hummingbird
Archilochus alexandri

344-543-552-554-945-1631-2560-2596-

March 18, 1947, Bill Williams R. Delta Canyon, Ariz: several seen. 1 old nest found at 4 feet in thorny bush. May have been a Costa nest. These seem to be in heavier vegetation and more moist areas with tall mesquite in canyon while the Costa is out in the drier open areas in plateaus and dry washes. A good problem to answer for no Costas were seen in the canyon. The Black-chinned feeds on many plants -- chiefly the bud of the Creosote bush at this time, for they are flowering in profusion.

March 22, 1947 N base of Chuckawalla Mtns, Calif: 8 a.m. a pair were busy courting.

May 5-8, 1975, Lonson's Tucson Arizona: nest at 7' in olive in closed courtyard. 2 tiny eggs 5/5. 1/19 was first setting time. 5/6 - 1 young, and 1 egg at 6 p.m. 5/7 - 2 young, 2" size. 5/8 rate of growth was rapid, doubling, then trebling egg size in couple of days.

Archilocus colubris

Ruby-throated Hummingbird

5/19/69 above Great Falls, Ark - ad on nest @ 20' over canal on hairy sycamore branch.

5/23/76 F. 11 am in nest on old oak tree 15-18' over canal on hairy sycamore branch.

Anna Hummingbird

- Jan 19, 1955 - 1 at Calif. Is. Mus. between rain & snow, 11 a.m.
Jan. 21, " - 2 " " " " near Eucalyptus trees 3¹⁰ p.m.
Jan. 24, " - 2 " " " " " " 2⁴⁵ p.m.
Jan. 25, " - 2 males " " " " " " 3 p.m.
Feb. 2, " - Several " " " " " " "
Dec. 9, 1955 - 1 " " " " " " "

Costa's Hummingbird

1885-2422-2553-2554-2558-

Calypte costae

Number of field trip on which seen:

344-536-538-539-540-544-545-546-551-552-1108-1207-1837-

Nov. 7 1944

Mockingbird Canyon, Arlinton California, 9 a.m.

They were very common. The body was quite greenish, more somber on the female, and the female has a small light collar below the darker color of the head. Purple flared throat patch of the male, changed shades in different lights. Also there is a purple patch on the top of the head. The tail is blackish. They are quite tame, and I approached within a few feet of the perched birds. They give a very irritating squeaking call almost constantly.

May 19, 1947 - *any Calif.* Havasu L. 2 mi S of Toiyah: collar from mattress being used in construction of the nest at the water pump station.

Feb. 17, 1951 Vidal Jct.-Earp, S. Bernardino Co. Calif. 2 seen enroute, and Gale Monson states they would have to be this species, tho he has not seen them yet this spring - First 1951 records.

2541-

Blue-throated Hummingbird

Lampornis clemenciae

2541 - 2542 - 2546 - 2604 - 2607 - 2611 - 2613 - 2615 - 2620 - 2621 -

Broad-billed Hummingbird

Cynanthus latirostris

2549 - 2555 - 2554 - 2558 - 2560 - 2604 - 2611 -

Broad-tailed Hummingbird

Colaptes platycercus

Spec. 1. Snowmass Col. F. E. and Alice Langley road, 8-10 miles from
of dirt bank overlooking Lake Creek. Nest within reach of 15' branch of
2' 6" cedar cliff ledge

2604 - 2613 -

Belted Hummingbird

Amazilia beryllina

Observer: Fred Venable, Jr.

Rufous Hummingbird

UNDER THE FOLLOWING DATES THE FOLLOWING OBSERVED:

2-3-10-13-16-52-54-55-56-59-64-65-70-73-74-81-83-85-90-94-124-129-130-134-138-
142-145-147-149-150-151-154-155-156-161-168-169-170-171-173-176-214-219-221-222-224-
227-228-237-312-314-328-369-370-376-378-386-393-398-399-420-421-424-426-431-
435-544-554-566-567-571-575-578-584-585-587-590-591-593-594-595-596-607-608-609-613-620-621-623-628-
631-633-634-637-642-643-651-652-657-658-661-662-667-668-669-672-673-678-681-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-
1107-1108-1114-1138-1145-1155-1167-1178-1179-1186-1190-1198-1218-1248-1259-1297-1543-1544-1551-1555-1556-1563-1567-1586-1666-1686-1687-
1688-1700-1889-1903-1935-1938-1971-1975-1978-2025-2131-2134-2207-2234-2306-2307-2321-2324-2344-2344-2366-2370-2111-2422-2433-2437-2472-2473-
Date Location and Observations 2549-2567-2584-2637-2642-2659-2660-

July 3, 1940
March 7, 1941

Corvallis, Oregon: Saw my first one for the first time of the year.

June 10, 1941

First one seen: Saw my first one for the first time of the year.

March 15, 1942

Reported: Saw my first one for the first time of the year.

Aug. 9, 1942

Reported: Saw my first one for the first time of the year.

Feb. 9, 1943

Corvallis, Oregon: Saw my first one for the first time of the year.

Mar. 12, 1943

Woodburn - Saw my first one of the year, although E. C. Stevenson reported them on Feb. 9 (or 14)

3-23-43

Horseshoe Lake, St Paul, Oregon - 11 a.m. Male doing "love dive". He dived to about 50' and came straight down to the male perched on a shrub at the bottom of the dive, the sound of the wings checking the fall was great, for such a little bird & he gave certain call notes not heard at any other time.

4-11-43

Camas, Wash. - doing several love dives.

6-28-43

Camas male did 4 consecutive love dives

May 20 1944

Camas, Washington 5-7 p.m. Palmer's Hill One pair have nest in an Indian Peach bush about 4' above the ground. It is within 2 feet of a woodland roadway up a hill behind Palmer's. Nest is 2" across and 2" deep. The cavity is 1 1/2 inches in diameter and about 1" deep. It is cotton lined. (Or thistle down). The outside is covered by moss and lichens. It contained 2 white eggs on May 9, and they hatched on May 17, according to Peggy.

March 19 1946

Corvallis Gravel Pits - Saw my first one for the year.

May 25, 1946

found nest on limb of Ash tree at 15-20 feet. In shade on NW side. at Peoria Ferry, Benton Co.

August 9, 1946

Red Butte, lake and Butte - still quite common around here.

April 26, 1947

Rouge River, Illahe, Curry Co: 10 a.m. several pair doing love dives.

- May 1, 1947 - Bob Morris reports at Yachima Wash. ^{Ore.} 2' tall tree saw nest in SE side
at 6 feet on the N side of the tree. It was in a densely shaded area.
The nest was on the "outside-topside" of a drooping 3/8" branch. The nest
was made of mud, & contained two eggs.
- July 12, 1947 Macdonald Forest ^{Ore.} watched one brilliant male feeding on St. John's Wort
and Canada Thistle. Saw two pair at the same time in this vicinity.
- July 13, 1947 Middle Santiam River ^{Ore.} nest in red huckleberry bush growing on perpendicular
N-slope cliff at 40 feet above the river.
- March 20, 1948 heard the first one of the year, and saw it later, just like last year,
in my own back-yard (410 N. 16th, Corvallis ^{Ore.}). Hovering over Oregon Grape.
- May 8, 1948 Pudding P., Lockhart ^{Ore.} started hovering near top of 60 foot cedar, and I
watched him slowly drop lower, till he reached the bottom, checking each
hole made by the Red-breasted Sapsucker workings - I being for say, ??????
- July 25, 1948 Crater Lake ^{Ore.} Fin. to water trail - on a small fir tree on timber.
- Mar. 19, 1949 Inverness on Tomales Bay to Pt. Reyes, Marin Co. ^{Calif.} many seen. Several
feeding on south slopes on Arctostaphylos.
- Mar. 20, 1949 Gualala R., Mendocino-Sonoma Co. ^{Calif.} 7 a.m. feeding on salmonberry flowers.
- Aug. 20, 1949 Lithia Spr., Mono Co. - Nevada Terr. - 1 first-year bird.
- Aug. 22, 1952 Hogan Res., Calaveras Co. Calif. sun-posing on ground in flower bed at Ballards
- Feb. 3, 1953 Morro Bay, Calif. in park among cypress and rocky point shrubbery. Love dives.
- April 3, 1954 Wm Land Park Sacramento, Calif. Full M's
- June 26, 1954 Camp Harvey West, Echo Lake, Eldorado Co. Calif. 1 m on 9000' ridge N of camp.
- July 27-? - 1751 stop at the old, abandoned, 1751. To 1st. north end of the
humans. A lot of birds were seen flying about the place.
- March 19, 1957 - Corvallis, Oregon - 1st of year at flowering Quince in Morris yard - 308-N. 8th St.

Observer: Fred L. Johnson, Jr.

Allen's Hummingbird

Number of field trips on which observed:
85-1543-1614-2411-2667-

Leucophaea alberti

| Date | Location and other data |
|------|-------------------------|
| | |
| | |
| | |

Observer Fred Evenden, Jr.

Calliope Hummingbird

Number of field traps in which observed:

88-1004-1259-1260-14197-1632-1693-1696-1925-2134-2320-2321-2346-

Stellula calliope

| Date | Location and observations |
|---------------|---|
| Nov. 14, 1948 | Monterey, Calif. 9 a.m. 2 present, perched on "head" of Aguava or century plant in part area along the edge of the bay. Chased each other. |
| Dec. 30, 1949 | Pardee Res., Calaveras Co. Calif. 3 a.m. one small hummer of this or the Costa species feeding on flowering carant just south of the main dam, soaring up above the bush, and perching on a nearby bucrone. Seemed quite small. Good winter record. |

Observer Fred Evenden, Jr.

Western Belted Kingfisher

Number of field trips on which observed
7-19-22-25-29-31-34-73-85-90-93-96-97-103-111-124-142-148-159-164-167-174-179-
183-191-195-199-204-212-224-244-249-251-257-259-260-261-262-263-265-
267-270-283-314-328-330-332-333-337-343-344-366-367-381-395-398-399-
407-413-415-422-425-432-433-435-437-441-444-451-452-461-482-488-494-543-545-589-590-592-
602-607-613-629-636-643-652-654-658-663-666-673-676-681-684-699-703-725-728-714-717-765-
775-783-783-186-790-858-860-873-888-898-899-901-902-909-933-940-999-1014-1019-1024-1027-1029-
1068-1079-1116-1117-1125-1137-1138-1144-1147-1182-1188-1191-1201-1207-1218-1270-1285-1324-1329-1336-1341-1345-1351-1360-1371-1372-1380-
1386-1387-1392-1416-1420-1426-1448-1454-1468-1478-1507-1526-1554-1564-1568-1619-1620-1649-1650-1652-1662-1673-1701-1714-1764-1770-1773-
1783-1796-1797-1802-1804-1813-1825-1834-1855-1888-1904-1923-1937-1938-1978-1982-
1996-1997-2013-2014-2017-2027-2074-2080-2094-2122-2199-2201-2202-2219-2237-2246-2298-2351-2356-2380-2402-2411-2448-2519-2525-

Legacyryle arcyon caurina

Location and observations

Sept. 12, 1942

Woodburn: ^{Or} This was a surprise, indeed. A pair of Belted Kingfishers were flying around our neighborhood. One lit on a light wire in front of our house. We had the lawn sprinkler going and one of them came down and bathed in the spray. There was also a young flicker, a chickadee, and a young robin enjoying the spray ~~and~~ the same time. The Kingfishers gave their rattling call at irregular intervals.

Jan. 17, 1943

Corvallis: ^{Or} Always gave its rattling call. It lit on a tree limb. While watching it fly from one tree to another, it stopped its forward motion and hovered for 3 or 4 seconds while beating its wings, and it lost no elevation, but did back up slightly before going forward again.

Sept 17, 1946

Very Park: ^{Or} 2 or 3 seen this a.m. perched on limbs over the river. Gave rattle while in flight, and also while perched on the snags.

Oct. 10, 1946,

Corvallis: ^{Or} Many seen today. Perched on limbs over the river. Perched on the fence at this place (and in both), and perched there and moved to the south.

April 12, '47

Mt. Angel: ^{Or} saw one perched on wire line over road, close to flooded fields. River 1 mile away.

June 15, 1947

Seal Rocks, Lincoln Co: ^{Or} pair have nest hole on sand bluff whose base is at high-tide mark. It is in the sand at 14 feet above base of the cliff

July 2, 1947

1 1/2-mile camp: ^{Or} a pair of them were around the first snag on the camp, and we watched them catch fish, hover together, and fly off, the male later returning and trying to catch fish from a perch about 100 ft high in a small ash.

August 2, 1947

Very Park: ^{Or} 3 a.m.: one male observed flying over this wide stretch of the river, with its underparts practically trailing in the water, and the wing tips hitting the water every once and a while. Every 15-20 sec it dropped into the water, and then resumed flying, only to submerge again, and again, to 7 or 8 times while I watched. Its intention was not to catch fish, but here to bathe, I assume.

Aug. 14, 1947

Millamette, Corvallis: ^{Or} 2 seen. One would climb high, hover, and then swoop upstream a ways, climbing up again, hover, swoop upstream, dive down and pulled out without hitting the water, and skimming along just above it, as it crossed the river.

Dec. 6, 1947

Corvallis: ^{Or} 1 seen. Perched on a limb over the river.

Feb. 1, 1949

Long Tom R, 3 miles N of Monroe, Benton Co (THMCA). 2 seen - both with small spiny-rayed fish in their bills.

Mar. 21, 1950

Bidwell Park, Chico Calif. 1 p.m. - observed 2 perched on limb over north edge of creek, about 12' up, with the male bird atop the female, holding on with his bill in her crown feathers. Later he fell off and flew away, and then she left, and she was the first to return, followed soon by the male, but both flew away again before any further activity could be observed. Previous to my first sighting these birds I heard a great deal of chattering for a period of several minutes, which resulted in my finding them.
Nov. 16, 1950 - 30-40 mph. - 395 ft. - One at Bidwell Park.

- May 19, 1951, Merced R. Yosemite N.P. Calif. one flew at 35-35mph, upstream, paralleling us for about $1\frac{1}{2}$ miles.
- Nov. 7, 1951, Little Grass Valley, S.Fk, Feather R. near LaPorte, Plumas Co. Calif. just after noon we found 4 hanging around a dead lodgepole pine at the edge of the river. Very noisy, chasing each other, and giving a variety of calls and scolding notes not heard before.
- March 23, 1952 Mill Cr., N. of Ft. Bragg, Mendocino Co, Calif.
- October 24, 1954 U.S. 40, near Cisco Grove, Calif. 1 along stream.
- Oct. 23, 1955 American R., S. of ... ridge - one with ...
- Dec. 27, 1957 Cow Creek, U.S. 99, N. of Wolf Creek, Josephine Co Oregon. Heavy Rain 1 seen
- June 11, 1958 Amer. R., S. of Jordan Park, Sacto. Co. Calif. One adult Mon. nest at 7-8 a.m. w/ F along river. Nest widened area at end of $5\frac{1}{2}$ ' deep horizontal burrow, with 2 grooves in bottom where feet worked. Birds would have to stoop to go thru it. 3 ygs, black skinned, & "beaded" w/ used feathers. Displayed no curiosity to sunlight from mirror.
- June 23, 1958 - Amer. R. Sacto Co. Calif. - 3 p.m. 3 young now almost fully feathered like adult, w/ some chestnut mixed w/ blue chest band + adjacent white. I tried to scoop them out w/ long stick at which point they ceased all activity & "cragged + winged" into bottom of burrow, in dist. One was buried head a bit & even when dragged out appeared immobilized - training or fear? Adults stayed 200' away across river while I was at burrow.
- June 11, 1958, American R. Sacramento Calif. 1 pair, F out of burrow at 7 a.m. Caught M in net as it flew from the burrow about 8 a.m. Entrance 12' above water.
- Apr. 26, 1959 - Pond NW of Bridgehouse Calif. Watched two in courtship flight + chase also across pond.
- Apr. 26, 1959 - NW of Bridgehouse, Sacto. Co. Calif. watched pair in courting flight and chase.

(Faint header information at top)

| Date | Location & Observations |
|---------------------|--|
| Nov. 30, 1941 | Philomath: One seen flying over field. |
| Aug 25, '46 | Avery Park, Corvallis: adults and young of the year common. Their favorite perch was a short limb high on a tall fir, in the sun, where they were usually seen preening. |
| Sept 17, 1946 | Avery Park, Corvallis. The feeding in the ground, scratching among big-leaf maple leaves. |
| Sept 18, 1946 | Avery Park: one gave a call similar to tail-wag notes. |
| Nov. 28, 1946 | Mt. Hood, Ore.: downy. A pair, male in front, female behind him as he flew or the ground, and landed at our approach, in open fields, etc., along road. |
| Nov. 30, 1946 - | Lodona-Mt. Hood: one seen, landing at 1 mile from trail. Most were in the ground, some in trees. |
| Jan. 16, 1947 | Poison Oak Lake, Linn Co. many seen, and most were feeding on the ground, flying into tree when flushed, and as usual go into the dipping act. |
| Jan. 21, 1947, | Beaver Creek School Common on the ground in all the fields. Saw upwards of 25 in one grassy field that may have been an old pasture. |
| Apr. 21, 1947 | Avery Park, Corvallis, 7 p.m. saw one fly from a maple tree to the dirt pathway, pecked around in a small area for a few minutes, and then proceeded to dust himself in that spot. That's digging your own bathtub! |
| Sept. 12, 1947 | Big Lake near Mt. Hood: 9:45 a.m.; observed 14 birds feeding on the ground approaching us slowly to about ten feet away, etc., etc., etc. |
| Feb. 23, 1948 | N 15th & Jackson St, Corvallis 7:45 a.m. ☐ cool, calm. 3 of them, sex, not determined. One on crossarm of telephone pole, the other two on wire lines, 3' to 5' away, and below the first bird, who seemed indifferent to the display activities of the 2 other birds. These two would utter excited callnotes, and at intervals fan the tail gracefully, or nervously, and tilt the head upwardly over half-way, or to the side, still giving voice at same time. Twice the two birds got side by side, almost facing each other, doing the same thing. Another time facing the same direction. Dipping and bowing also took place all this time. |
| June 23, 1948 | Cottage Grove, Oregon: nest at 25 feet in broken, rotten, but living fir, in partly cleared woods. Similar to M.L. Bird sent it and out, feeding young while I watched. |
| Jan. 25, 1949 | Corvallis-12-mile Swamp (IBM) Picked up one dead along the road. It is a hybrid yellow-shafted x red-shafted. Has red crescent on back of neck. Red and black mustaches, underside of wing and tail feathers mostly yellow. Sex? Had been feeding on poison oak berries. |
| Corvallis, Oregon - | 5-11-21 - Jays, 10' up in dead apple tree - hole 2' deep.
5-13-21 - " , 4' " " " " " " "
5-14-21 - " , 20' " " " " " " "
5-20-21 - " , 8' " " " " " " "
5-21-21 - " , 10' " " " " " " "
5-22-21 - " , 20' " " " " " " "
5-24-21 - " , 10' " " " " " " "
5-24-21 - " , 8' " " " " " " "
5-26-21 - " , 6' " " " " " " "
5-28-21 - " , 8' " " " " " " "
6-4-21 - " , 7' " " " " " " "
6-12-21 - " , 10' " " " " " " " |
| Milwaukee, Oregon - | 5-13-29 - 70' 35' " " " " " " "
6-7-31 - " " " " " " " "
7-2-33 - 7' 10' " " " " " " " |
| June 2, 1941 | Johnson City, Portland, Oregon - Flying in ... 3' below lowest branch of mountain cedar above ... |

543-552-1838-1840-2212-2601-2621-2622-2623-

Mearn's Gilded Flicker

Colaptes chr. soies mearnsi

Bryozoa of the Florida Territory. Found some 10-15 miles from the coast.
Bryozoa of the Florida Territory. Found some 10-15 miles from the coast.

1. 5/74 C + O Windsor. Watched one light on uprig's tree
@ water level + read into rotten filtering log. 11 am

5/5/74 Seneca Co, Md - drilling down on water locked logs. 10/5 am.

Golden-fronted Woodpecker
Centurus aurifrons

Feb. 20, 1951 Carrizo Springs, Dimmit Co. Texas - First seen by Mildred as they played around on a telephone pole beside the hiway. Colorful.

Feb. 26, 1953 Breckenridge Park, San Antonio Texas. Watched them doing courting dances.

548-544-546-547-548-552-1838-1839-1840-1842-1843-2546-2600-2601-2602-2609-2615-2618-2621-2622-2627-2625-

Gila Woodpecker

Centurus uropygialis uropygialis

March 18, 1947 Bill Williams R. Canyon, Ariz: quite common in the canyon on the ground as well as in willow and Populus. Very noisy with a varied assortment of notes. Quite tame.

2220 - 2222 - 2225 - 2226 - 2230 -

Centurus carolinus

red-bellied woodpecker

Melanerpes erythrocephalus

Red-headed Woodpecker

6/6/66. Lake Hamilton area, Barber Co. S. of Hot Springs, Ark. 1 seen. One male
came from nest hole in stub (1) of telegraph pole in park-like
woods on lawn area near residences.

Observer Fred Evenden, Jr.

Lewis's Woodpecker

Number of field trips on which seen:

3-5-6-18-44-78-91-92-94-103-106-123-148-168-171-173-174-178-181-204-230-

321-325-327-334-386-438-459-484-491-497-499-500-506-511-564-584-594-613-

681-613-702-705-711-712-713-765-869-938-955-1007-1047-1421-1036-1037-1038-1087-1204-1324-1348-1367-1370-

1372-1378-1417-1423-1426-1448-1468-1503-1505-1507-1515-1524-1566-1571-1620-1660-1612-1714-1712-1725-1729-1766-

2132-2143-2259-2326-2358-2379-2450-2451-2454-2496-7-2525-2596-2657-

| Date | Location and observations |
|------------------|--|
| May 12, 1940 | Payzant's to ... field that had no vegetation, or cover on it ... probably ... |
| July 17, 1941 | Woodburn: ... |
| August 5, 1941 | occurred ... |
| Feb. 21, 1943 | Alsea: Saw one pair of them in a dead tree along the highway. |
| April 26, 1946 | Philomath to Corvallis Airport. Saw our first one of the year, perched on a fence post near the road. |
| October 10, 1946 | Corvallis, ... of them flying ... |
| Jan. 21, 1947, | Oak Grove south of Philomath: estimated 15-20 in this grove, for they were seen everywhere. Many were more or less paired off and giving their "whistle" call notes, as they gracefully chased each other from tree to tree. Seemed almost to be courtship flights, being paired off. One Lewis dominated a Varied Thrush perched in the top of an oak, by taking the perch from it. |
| Feb. 6, 1947 | Stewart Lake, Benton Co: 2 of them in the tops of the oaks around the pond. they took off every few seconds in pursuit of insects, and did some fancy flying once in a while to catch their food. |
| Feb. 18, 1947 | Oak-fir belt between Beaver Cr., and Bellfountain. a pair were taking over a knoll scattered with oaks. They would chase the flickers, capture insects, chase each other, and utter call notes once and a while. Another pair seen in scattered oaks on the valley floor. |
| Aug. 22, 1947 | near Bellfountain: pair flushed from side of gravel road where they had been at a small water seepage area by a gulch. One flew away, and the other flew to a pole on which a Sparrow Hawk was perched and the latter gave way twice. |
| Aug. 29, 1947 | - Bellfountain-Philomath: over a half dozen seen. One flew to a tall snag where a Gairdner woodpecker was in the top, and circled a times before finally flying in and driving the smaller bird from the perch, after which it circled once more and alit on the snag. |
| April 4, 1949 | Quinda, Yolo County Calif. 11 a.m. Quite a few in the <i>Quercus lobata</i> of the area. |
| Nov. 16, 1949 | Black Butte Res. Area, Stony Cr, Tehama Co. Calif. very common, particularly in the blue oak areas. At least 10 seen along every mile traveled by car. |
| Jan. 4, 1950 | Black Butte Res. Area - about 30/sq. mi. blue oak woodland, and almost as dense in white oak-cottonwood open river bottom along the south fork. |
| Sept. 7, 1951 | NE of Anderson, Shasta Co. Calif. In rocky-soiled, blue-oak woodland. A good many were seen. |
| Dec. 18, 1952 | Seen in foothills from Jones to Reese, only; in Eldorado Co. Calif. Cold + cloudy. |
| Mar. 31, 1952 | 3 mi. W of Crocker Landing, Calif. 1 on pole ... |
| Jan. 2, 1951 | S of Anderson, Shasta Co. Calif. 2; 15 p.m. |
| Sept. 23, 1955 | Near Anderson, " " " 4 p.m. in oak woodland |
| Dec. 29, 1957 | 5/7 miles, Butte Co. Calif. along US 99 E. 2 or 3 seen. (over 1000) |
| Apr. 9, 1958 | C.S.H. 16 - From Bradshaw Road Sacto. Co. to Delaney Corner, Amador Co. Calif. |
| Apr. 23, 1958 | Capay Valley, Yolo Co. Calif. Many pairs along highway. |
| July 4, 1959 | Carson City, Ormsby Co. Nevada. Flying near sand bar over ... |
| Aug 15, 1961 | Hot Creek - NE of ... 5 of US 298 S. Shasta Co. Calif. |

2927, 1961 - One at Antelope Calif - 11 am. Foster Co.


Observer Fred Ivenden, Jr.

Red-naped sapsucker

Number of field trips on which observed:
85- 3 27- 548-921- 2220-2242- 2264- 2346-2351- 2478- 2462-2526-

Sphyrapicus varius nuchalis

Date Location and observations

July 13 1944 Wood river, above Ketchum near Easley Hot Springs. *Idaho*
Saw a pair of them. Male had red throat patch and crown. Female had grayish throat patch and red crown. Both were mottled whitish gray on the back. They seemed slimmer and smaller than NW Red-breasted Sapsucker. Had black head, with $1\frac{1}{2}$ white lines on each side. I located a nest, containing young, in a quaking aspen. It was 7 feet above the ground, and had a southern exposure. The nest cavity was $1\frac{1}{2}$ " in diameter and 3-4" deep, at which point it bent downward:  There was another nest cavity, in the same tree, only 6 feet high. It also had a southerly exposure. This appeared to be 2 seasons old, because in another aspen, just 4 feet away, was another nest cavity, that was newer and probably was last years work. It faced NE and was $5\frac{1}{2}$ feet high. When the parent birds brought food, with me standing 5-6 feet away from the nest, they would fly to the hole in the tree opposite the nesting cavity, and go through actions of pretending to be feeding young, in the old hole. After that, they would casually fly or jump the distance to the nesting cavity. All this time the young were making noises of chirrs and chirps. I saw one adult feeding a stonefly and another time a bugrestid beetle about $1\frac{1}{2}$ " long.

Mar. 20, 1947 Cienega Springs north of Parker Ariz: winter resident. Feeding on dates of the date palm. Hung on line pole, motionless for at least 5 minutes.

May 31, 1958 Kingsbury Grade, Douglas Co. Nevada. Watched 4-5 birds in Red-breasted at cross-ranger

Observer Fred Evenden, Jr.

Northern Red-breasted Sapsucker

Number of birds banded on which Corvallis
3-6-7-14-16-30-34-36-40-48-51-52-55-56-64-81-82-85-90-92-96-
108-111-113-116-152-156-161-176-189-197-210-283-353-354-357-361-362-370-
372-398-399-432-435-443-451-452-465-475-504-589-590-591-613-642-672-681-691-723-
Sphyrapicus varius ruber 769-822-841-842-846-853-866-869-873-893-895-944-920-933-990-997-1029-1030-1144-1178-
1185-1186-1218-1248-1249-1324-1426-1478-1480-1481-1509-1529-1649-1662-1670-1779-1935-1935-1959-2031
2061-2070-2368-2375-2398-2470-2475-2672-
Cherry

Date

Location and observations

ber 13, 1940

Corvallis: Flying above a tree it came in, lit on a branch and a little bit later it came into a hole in the trunk and dropped out on the ground. It repeated this several times before finally coming to rest in a hole in the trunk.

me 12, 1941

Payson: A pair of sapsuckers were seen in a hole in the trunk of a tree about 100 feet high. One was on the trunk and the other was on the ground. They were both very noisy and were chasing each other.

pt. 21, 1941

Reedley: A pair of sapsuckers were seen in a hole in the trunk of a tree about 100 feet high. One was on the trunk and the other was on the ground. They were both very noisy and were chasing each other.

me 1, 1946

Woodburn: A pair of sapsuckers were seen in a hole in the trunk of a tree about 100 feet high. One was on the trunk and the other was on the ground. They were both very noisy and were chasing each other.

Feb. 1, 1946

Woodburn, ^{or} The past few days I have seen an immature NW R-b Sapsucker working the trunk of a black walnut tree down the street. Always the same tree and the same part of the trunk. Quite interesting, because one day he'll be there in the a.m. and next time in the p.m.

Feb. 25, 1946

Woodburn, I still see the Sapsucker almost every day on its pet Black walnut tree, rain or shine.

May 17, 1946

Alsea Fish Hatchery. ^{or} Saw signs of the workings of this bird.

May 25, 1946

Peoria Ferry, ^{or} At least 8 or 10 pair of them seen this a.m., in the immediate vicinity of the river. All were beautifully bright red. Found one nest hole at about 20-25 feet in Ash Tree, opening to the WSW. One adult flew in, and then the other came to the nest, lighting below it; chattering went on between the, and the bird on the nest flew out, and the other went in the hole immediately. They were probably busy feeding young.

25 Aug '46

Ivery Park, Corvallis: ^{or} 5 young birds working the trunk of a Big-leaf Maple. They kept chasing each other, and were very noisy about the whole thing.

Sept 17, 1946,

Ivery Park. ^{or} I watched one adult visit 4 different trees within 5 minutes. The distance covered was about 20 yards. Some feeding was done at each of these. I also observed 5 young birds, just getting their adult plumage. At the adult lit on the trunk of each tree at a height of about 18-20 feet. These young birds were continually bickering and chattering to each other, and are stuck pretty close together. If one went to another tree, the others soon grouped there, also. They would try to chase each other off the perch, and thereby occupy that perch. One individual seemed to dominate the others. I suppose have way for the other. Besides hanging on the trunk, they also perched on horizontal limbs, or even hung upside down, like a chickadee or nuthatch, from a cluster of Big-leaf maple samaras.

April 12, '47

Woodburn, Pudding R. ^{or} male digging nest in live cedar on east side at 32'. Saw another one about 150 feet away, feeding in Big-leaf Maple.

Apr. 12 '47

Butte Creek Grove above Monitor: ^{or} one drilling a hole at 35 feet on the SE side of a Big-leaf Maple

May 3, 1947

Woodubrn, Pudding R: ^{or} one male lit on the side of a cedar trunk and a Pine Squirrel scolded it loudly, and then tried to chase it away.

- May 31, 1947 - Abiqua Creek Road, above Abiqua Camp, ^{Ore} and below Milk Ranch -
They had nest at 18 feet on N side of 6" i. fir snag on the exposed
south slope about 125 feet from the Tilted Woodpecker nest.
- July 12, 1947 Macdonald Forest, ^{Ore} Peavy Cabin area - saw several individuals and then in
one tree were 3 adults, 1 male and 5 young birds, playing around with
each other, and giving noisy calls as I have described previously.
- July 24, 1947 Fern Ridge ^{Ore} another "family" of them playing at and in a dead L. fir.
- Sept. 18, 1947 Avery Park, Corvallis: ^{Ore} 4 on the ground, one in a "tilted" fir snag
other, as has been previously noted.
- June 4, 1949, Avery Park, Corvallis, ^{Ore} Oregon 6:30 a.m. nest hole in 14" diameter i. fir
snag at 12'. 13" dia. hole facing to E. Live maple on E. side. Young
squeaking, especially when the parents brought food. The male brought
food but didn't enter the hole. He made two visits 1 minute apart.
The female came once, went in and gave the young food, and then left the
nest hole carrying a small mass, presumably fecal sacs.
- May 31, 1958 Kingsbury Grade, Douglas Co. Nevada - Watched a ~~family~~ of ~~Red-breasted~~ ^{Red-breasted} ~~suckers~~
at close range this a.m.
- Aug. 17, 1961 Clear Lake, Mt Hood N. For, Wasco Co. Oregon. Family of 2 ads and 3 immatures
working alder snags at edge of lake. Noisy at 7:15 a.m.

Number of field trip on which seen.

Williamson's Sapsucker

Sphyrapicus throiceus

2262-2264-2320-2321-2346-2352-2356-2367-2411-2417-2437-2452-2472-2522-29-2554-
328-425-426-1220-1262-1259-1694-1935-1985-2131-2134-2150-
ssp. 2630-47-2692-97-

- July 29 1944 McCall Idaho, Payette river. Saw what must have been this bird, with a black head and cape, with white stripes on the face.
- August 14, 1946, Milacat Camp, Mill Cr., Crook Co. ^{Or}
- August 15, 1946 Milawood Camp, Ochoco Hiway summit, Linn Co. ^{Or} Feeding on Aspen trees.
- June 21, 1949 Twin Bridges, S. Ek. Humboldt River, Elko Co. Nevada: pair had nest in tall alder near the bridges at a height of about 28' on the north side of the tree.
- July 19, 1958 E of Velma L. Basin, Eldorado Co. Calif. 8000' el. Young in nest on the south side of white pine at 12' ht. 1 1/2" diam. hole entrance. Noisy.

Observer Fred Lventen, Jr.

6-36-45-51-54-74-75-76-74 76-111-156-197-212-227-393-404-419-425-426-
435-437-482-567-580-589-605-625-638-668-671-683-685-706-723-873-874-911-915-920-
921-924-1017-1044-1028a-1179-1186-1218-1297-1419a-1584-1693-1695-1751-1755-1756-1757-1758-1759-1760-1761-1762-1763-1764-1765-1766-1767-1768-1769-1770-1771-1772-1773-1774-1775-1776-1777-1778-1779-1780-1781-1782-1783-1784-1785-1786-1787-1788-1789-1790-1791-1792-1793-1794-1795-1796-1797-1798-1799-1800-1801-1802-1803-1804-1805-1806-1807-1808-1809-1810-1811-1812-1813-1814-1815-1816-1817-1818-1819-1820-1821-1822-1823-1824-1825-1826-1827-1828-1829-1830-1831-1832-1833-1834-1835-1836-1837-1838-1839-1840-1841-1842-1843-1844-1845-1846-1847-1848-1849-1850-1851-1852-1853-1854-1855-1856-1857-1858-1859-1860-1861-1862-1863-1864-1865-1866-1867-1868-1869-1870-1871-1872-1873-1874-1875-1876-1877-1878-1879-1880-1881-1882-1883-1884-1885-1886-1887-1888-1889-1890-1891-1892-1893-1894-1895-1896-1897-1898-1899-1900-1901-1902-1903-1904-1905-1906-1907-1908-1909-1910-1911-1912-1913-1914-1915-1916-1917-1918-1919-1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528

4 Location and use of signs.

August 7, 1946: Camp Pioneer, Larri Co. - I banded one adult this a.m. # 41-224295.

Apr. 5, 1947 Leadbetter's Penin. Willamett-Columbia F bottoms. Flushed an adult (sex??) from a newly constructed nest cavity in a barkless, 15' cottonwood snag (about 20" in diameter). The nest hole was at $7\frac{1}{2}$ feet on the NNE side. 1 $\frac{3}{4}$ inches in diameter. The hole went in about 2" before dropping into the "gourd" part of the nest. Depth horizontally from the entrance to the back of the cavity was about $7\frac{1}{4}$ ". The cavity was straight walled from there to the bottom. The adult flew to a cottonwood some 40 feet away, and when we retired to watch the nest, it did not fly directly back, but flew by the nest snag and over to another cottonwood some 100 feet away.

Apr. 24, 1947 Corvallis: MacDonald Forest: 1 male working a 5" dead fir snag in the heart of the forest. He was very busy "sounding" the snag and we approached pretty close to him. He pecked everywhere, and when he located a good spot he fed there, presumably.

May 16, 1947 Tombstone Prairie, Santiam Pass ⁰⁴² a pair couring on the side of a Sitka Spruce snag in the woods.

May 22, 1947 Noti Bog, Lane Co., a pair had a nest in a dead 7" D. fir snag, in a second-growth open area near where we ate our lunch. It was on the NE side at 22 feet. There were evidently young in the nest, for both birds were busy coming and going from the nest hole.

July 23-30, 1952 Patterson G.S., Modoc N.F., 7,200', Modoc Co. Calif. 2 ad. and 1 young.
The young often perched on small twigs like other birds, not clinging to big limb and trunk bark.

Apr. 19, 1440 -

Apr. 24, 1943

June 19-20, 1954 Silver Lake, Amador Co. Calif. 7200' el. Pair with nest in 28" dia. lodge-pole snag over water at 18' (snag in water). Hole facing east. Watched hole from 3:59 to 4:25. Snag in shade during entire time. BB from kids gun hit snag and bird came out at 4:04. Worked lazily 2 trees and in at 4:08 and stayed, but came out much later about 4:45 to 6:30 or so.

July 25, 1954 Camp Harvey West, U. Echo Lake, Eldorado Co. Calif. Several pair - Nest in dying aspen at 11 $\frac{1}{2}$ feet. No adults at nest at 1:30. Hole facing southwest. Hole about 10" deep. Aspen in thicket. 2 young in nest. Banded male, but female flew before I could band it. First flight downward to ground just 40' away. Second flight about 100' to 6' on pine, and third flight across end of lake, a distance of at least $\frac{1}{4}$ mile. All these flights within 3 minutes of nest departure. This at 1:30 p.m. on June 25. At 9 a.m. on June 27, we noted a pair of Tree Swallows apparently taking over the nest hole, as they went in and out of it while we watched.

April 26, 1959 Michigan (Mad, Calif. One on fence post along C.S.H. 16 in relatively open country. Four others nearby.

527-1201-1904-

Cabanis's Woodpecker
Dryobates villosus hyloscopus

Observer Fred W. Vanden, Jr.

Catchelder's: occupier

probable date of capture

Where? How?
US of Illinois, which covers:
(84)-85-262-264-277-287-289-290-291-292-293-294-295-296-297-

| Date | Location and Survey Data |
|------|--------------------------|
|------|--------------------------|

944-951-1006-1070-1072-1099-1108-1112-1129-1132-1182-1190-1210-1372-1419-1478-1632-1649-1666-1667-1673-1690-1703-1793-
873-1889-1904-1918-1935-1955-1971-1988-2061-2089-2298-2299-2323-2398-2434-2457C.-2573-2581-2671-

Eryobitta pebesceus turati

Willow Downy Woodpecker

April 24, 1949 Franklin Ranch Sloughs, E of Courtland, Sacto Co. ^{Calif.} Nest in 14' cotton-wood snag at 11' on S side. Unshaded.

May 1, 1949 Natomas, Sacto Co. Nest hole at 15' on W side of dead alder, just straggling pieces of bark on grayish wood. Hole under slight projection, so that when adult inside pokes head out of hole, it isn't noticeable.

Dec. 11, 1949 Nigger Hill, Folsom Res. area, Eldorado Co, Calif - on digger pine in woodland area - 300 y.m.

June 22, 1961, Woodland Hiway, Yolo Co. Calif. 2 adults and 1/2 2 young.

Observer Fred Evenden, Jr.

Gairaner's woodpecker

Iryobates pubescens gairaneri

Number of field trip or field observations:

2-19-22-32-39-41-45-56-64-68-70-81-90-94-96-102-104-106-108-111-112-
113-123-131-134-135-142-143-144-152-155-161-189-197-201-203-210-212-215-222-
314-344-398-444-446-451-464-465-468-489-591-599-613-620-625-629-672-677-690-
713-715-718-732-789-803-823-853-867-869-874-876-896-901a-907-932-933-1013-1028a-
1029a-1161-1186-1218-1419a-1442-1506-1701-2449-

Date

Location and observations

September 7, 1940

Very, P.M., Corvallis: ^{0⁰⁰} Wood pile on edge of lumber yard. One note.

April 12, 1947

Woodburn, Pudding R. Pond: ^{0⁰⁰} saw a female working on a nest hole in a willow in the water on the south side at 28 feet (I heard another working noisily off to the NW of this tree). Soon she gave a call note and flew away to the NW and the male came from the NW and started working where the female left off. Very little noise was made here, but the wood pieces flew anyway. The female then worked noisily on the tree the male had been on. The first cavity was already about 2 1/2" deep and they were starting to "turn it downward". The second tree was a willow 170 feet NW, also still in the water. The hole was at 25 feet on the N side. It was about 1" deep. This second willow was dead.

Apr. 12 '47

Abiqua Camp Milk Ranch Ridge: one nest building, but I didn't locate it.

May 3, 1947

Woodburn, Pudding R. ^{0⁰⁰} using hole described above on Apr. 12th.

Office: Corvallis, O.
5-14-21 6 eggs at 15' in dead apple tree, hole 14" deep.
5-15-21 5 " " 8' " an all dead apple tree, " 12" "
5-15-21 5 " " 30' " large " " " " " 12" "
5-22-21 4 " " 10' " " " " " " 8" "
5-22-21 5 " " " " " " " " " " "
5-28-21 4 " " 7' " small " " " " " 8" "
6-4-21 4 " " 8' " " " " " " 10" "
6-11-21 " " " " " " " " " " "
6-12-21 " " " " " " " " " " "
5-16-22 4 " " 15' " " " " " " 12" "
5 " " 15' " " " " " " 8" "

2226-2227-

Dendrocopos borealis

Red-cockaded Woodpecker

543-545-547-548-551-552-560-1838-1839-1840-1842-1844-1850-1855-2213-2215-2247-2609-2610-

Ladder-backed Woodpecker

Dryobates scalaris ssp.

March 18, 1947, Bill Williams R. Canyon, Ariz: 4 (2M & 2F). Quite bright crown on the male. This bird has typical Dryobates habits, flight and notes.

March 20, 1947 Cienega Springs north of Parker, Ariz: 1 male. Nest in Palo Verde stub in a live thicket of the same. SE exposure at 11 feet.

Feb. 17, 1951 Colo. R. Indian Agency, Parker, Arizona - 530 p.m. one feeding inside base of dense Atriplex bush in poor light, at base of SW slope hill. Calling all the time. Back and wing barring distinct.

1071-1080-1131-1142-1182-1202-1213-1252-1256-1324-1339-1372-1420-1426-1449-1464-1466-1488-1515-1519-1522-1525-1526-
554-1581-1585-1592-1614-1622-1661-1732-1770-1773-1804-1824-1870-1877-1885-1889-1909-1912-1914-1916-1918-1923-1963-1982-2014-2029-2035-2061-2094-
55-2259-2299-2317-2323-2325-2327-2331-2335a-2345-2364-2370-2390-2402-2434-2436-2438-2440-2441-2447-2457a-2466-2495-2498-2502-2506-2523-2568-
2572-3-81-2596-2670-71-

Denarocopus nuttallii

Nuttall Woodpecker

- February 6, 1949 Gray Lodge Refuge ^{Calif.} about noon. One female in small willow along ditch in marsh area.
- March 26, 1949 Sacto R., near Knight's Ferry ^{Calif.} 1 p.m. saw at least 6 at one time, and several other. They were working primarily on cottonwood and willow trunks, and several were observed feeding in the topmost branches on the buds of the cottonwoods, which have not yet opened. Communicated with each other, too. Common.
- Mar. 21, 1950 Bidwell Park, Chico, Calif. 130 p.m. observed a couple working the upper twigs of large white oaks and sycammores, about 60-75' above the ground. They called now and then. Since I have always seen them working trees and bushes close to the ground, this ob is of interest.
- May 9, 1951 Garden Hiway, NW of Sacramento Calif. at 930- found nest hole underside of a 5"-diameter cottonwood limb, on W side, 33 feet above Sacto. R. 2 adults were carrying food to the nest; once one returned to nest hole before the other adult had left, so a short note was given, and the late departer, left.
- Dec. 2, 1951 Lytle, Cal. Calif. feeding on bracket fungi at 40' in cottonwood.
- June 22, 1961, Woodland Hiway, Yolo Co. Calif. 4 adults and 3 young.

2611-2613-

2611-2613-

2611-2613-

Notice to

File - 167-168-

| Date | Description |
|--------------|--|
| Aug. 7, 1964 | Notice to file - 167-168- ⁰²
in the case of the State of New York vs. [illegible] et al. |
| | |

Observer Irvin, Jr.

Alaska 3-6-1944

167-168-173-174-297-331-419-725-

Picoides

| Date | Location |
|--------------|---|
| Aug. 7, 1944 | <p>0.5 mi. S. of Summit of Bennet Mtn., Mtn. Home, Idaho. A very noisy pair trying to sing, or something - flew from a clump of firs as we approached.</p> <p>Summit of Bennet Mtn., Mtn. Home, Idaho. A very noisy pair trying to sing, or something - flew from a clump of firs as we approached.</p> |
| Apr 25 1944 | Summit of Bennet Mtn., Mtn. Home, Idaho. A very noisy pair trying to sing, or something - flew from a clump of firs as we approached. |
| Aug. 7, 1946 | Camp Pioneer, Linn Co. Light in camp early in the mornings. They were working P. contorta trunks this a.m. |

